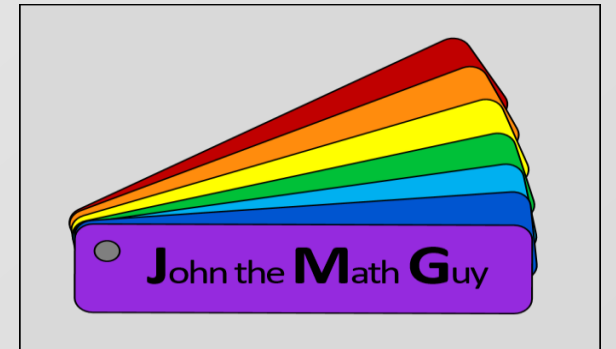


The Color Name Conundrum

John Seymour
John the Math Guy, LLC



STARBUCKS COFFEE



Possible names from Madelaine

- Aqua
- Aquamarine
- Azure
- Beryl
- Cerulean
- Cyan
- Jade
- Malachite
- Sea-green
- Sea foam
- Teal
- Turquoise



Merriam-Webster

A bluish-green color

Full definition

A light greenish blue



Kory Stamper

Names Madelaine would *not* use

- Blue-green
- Bluish-green
- Green-blue
- Greenish-blue

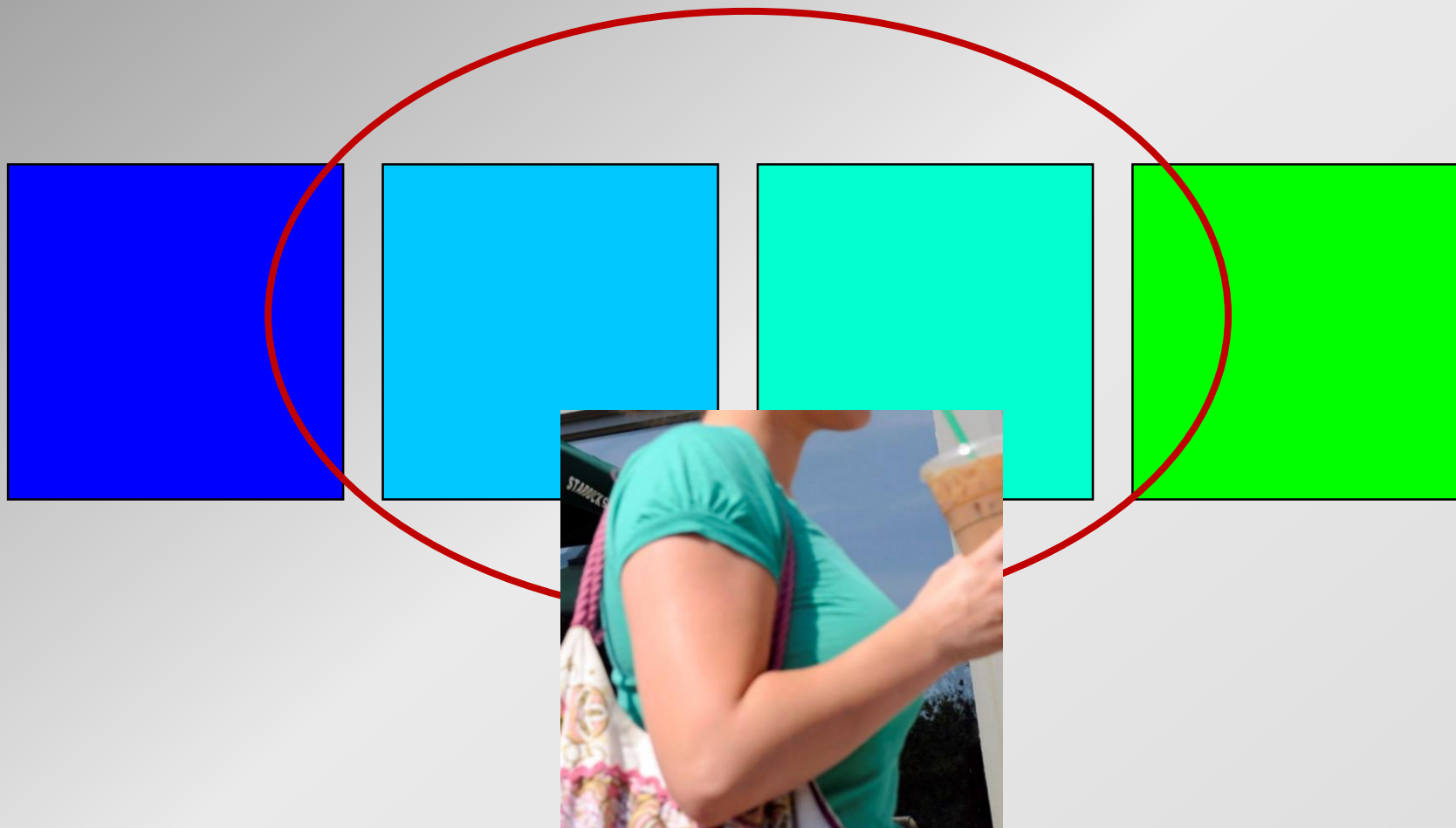
Dictionary.com

A greenish blue or bluish green color

Oxford English Dictionary

A greenish-blue color

Consensus

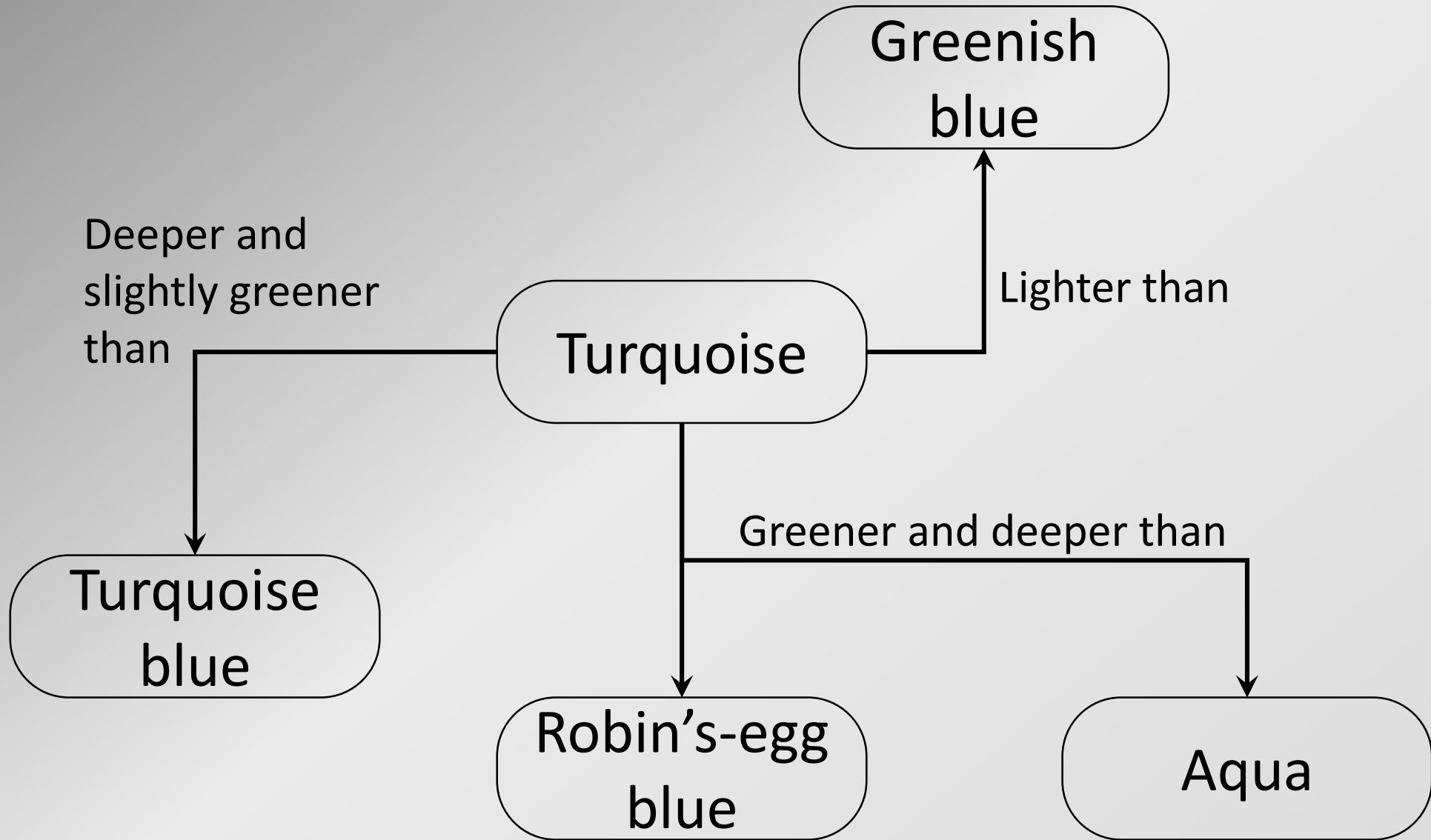


Webster's Third New International Dictionary

Turquoise

1) a variable color averaging a light greenish **blue** that is deeper and slightly greener than average **turquoise blue**, and greener and deeper than average **aqua** or average **robin's-egg blue** (sense 1)





Shades of light blue green or green blue

	Paler						Deeper
Greener			Robin's-egg blue (2)				
							Turquoise green
					Aqua green		
				Eton blue		Turquoise (2)	
					Turquoise (1)		
				Turquoise blue			
		Aqua					
	Aqua blue						
Bluer			Robin's-egg blue (1)				

Outside consultant for color

Author: *An Introduction to Descriptive Linguistics*

GODLOVE, ISAAC H. **Color**

B.S., A.M., Washington University; Ph.D.,
University of Illinois

Chemist and Physicist, DuPont Company and
General Aniline and Film Corporation

Special Editor in Color, *Webster's New International Dictionary, Second Edition*

Author: articles on color physics and psychology

Coauthor: *The Science of Colors; The Smithsonian Tables of Physical Constants*

GOLLON, FRANK R. **Photographic Trade**

Neutral Value Scales. I. Munsell Neutral Value¹ Scale

A. E. O. MUNSELL, L. L. SLOAN AND I. H. GODLOVE,² *Munsell Research Laboratory, Baltimore, Maryland*

(Received June 29, 1933)

I. INTRODUCTION

THE Munsell *Book of Color*³ and the *Manual of Color*⁴ give a table of the values¹ and reflection factors which were used in preparing the 400 standard colored samples in the *Book of Color*, published as a revision of the *Atlas of the Munsell Color System*,⁵ which embraced the

pioneer work of A. H. Munsell, begun between 1900 and 1905.

In order to follow the steps which led to the adoption of the Munsell Value Scale we shall briefly trace the logic and the history of the experiments on which it was based, beginning with the work of Bouguer over a century and a half ago. The two value scales in most general use before the present work was initiated were representatives of two different corresponding types of laws, which may be called, respectively, the "logarithmic" and the "exponential" types.⁶ The logarithmic type results from the older method of experimentation, but involves certain assumptions of questionable validity; the exponential type involves experimental difficulties,

¹ The relation between *Value* and *Brilliance* is as follows: "*Brilliance* is that attribute of any color in respect of which it may be classed as equivalent to some member of a series of grays ranging between black and white." (Report of the Committee on Colorimetry of the Optical Society of America, J. O. S. A. and R. S. I. 6, 534 (1922).) *Value* bears a relation to the color attribute brilliance similar to that which the Fahrenheit and Centigrade scales, as

Isaac Godlove

- Color consultant for Webster, 1921 – 1932
- Director Munsell Research Laboratory, 1926 – 1930
- Established the formula for “Value”, 1933
- Chair of ISCC Committee on Measurement and Specification, 1933
- Effort led to “Color – Universal Language and Dictionary of Color Names”, US Dept of Commerce

TABLE 1.—Abbreviations for the hue names used in the ISCC-NBS system

Name	Abbreviation	Name	Abbreviation
red	R	purple	P
reddish orange	rO	reddish purple	rP
orange	O	purplish red	pR
orange yellow	OY	purplish pink	pPk
yellow	Y	pink	Pk
greenish yellow	gY	yellowish pink	yPk
yellow green	YG	brownish pink	brPk
yellowish green	yG	brownish orange	brO
green	G	reddish brown	rBr
bluish green	bG	brown	Br
greenish blue	gB	yellowish brown	yBr
blue	B	olive brown	OlBr
purplish blue	pB	olive	Ol
violet	V	olive green	OlG

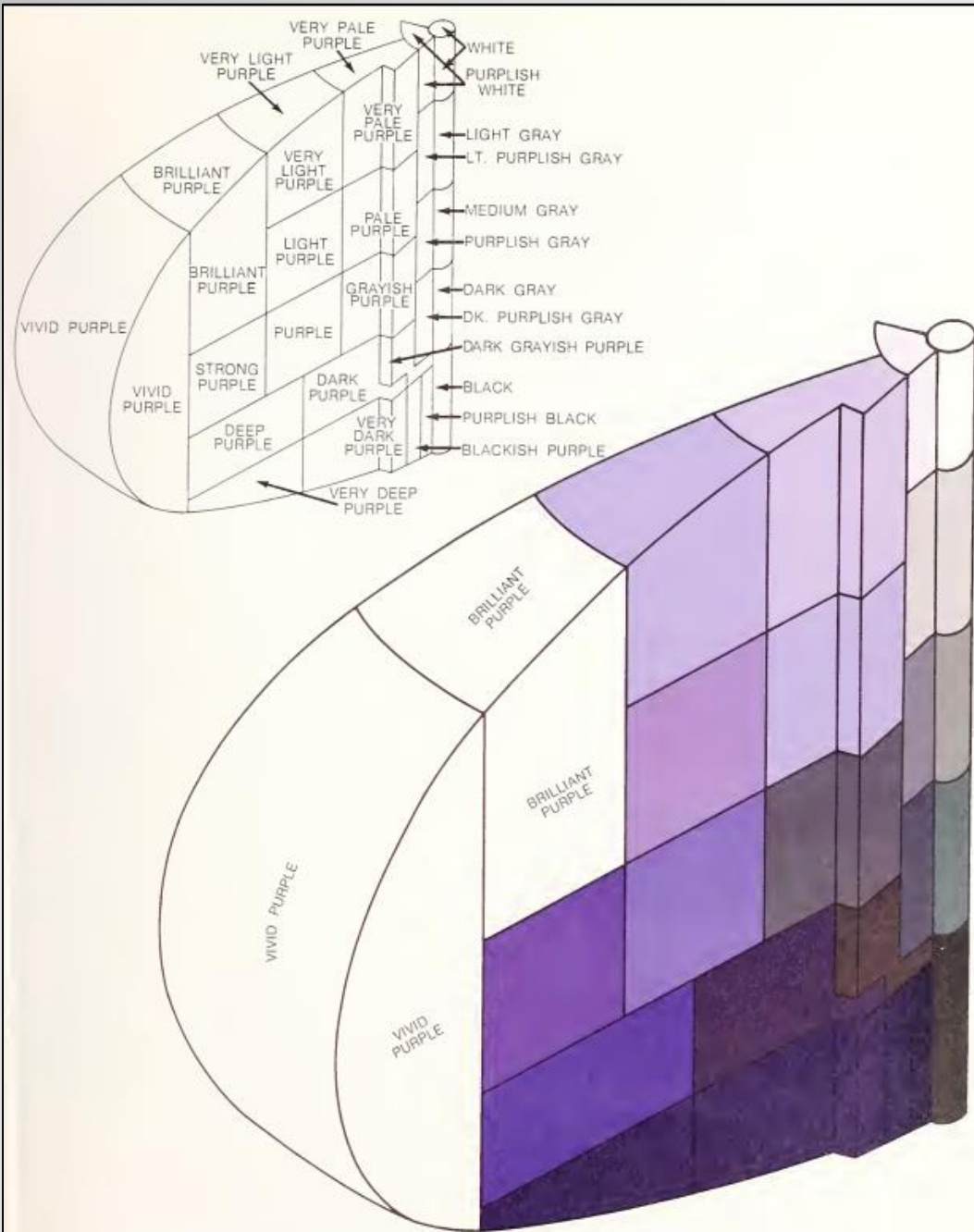
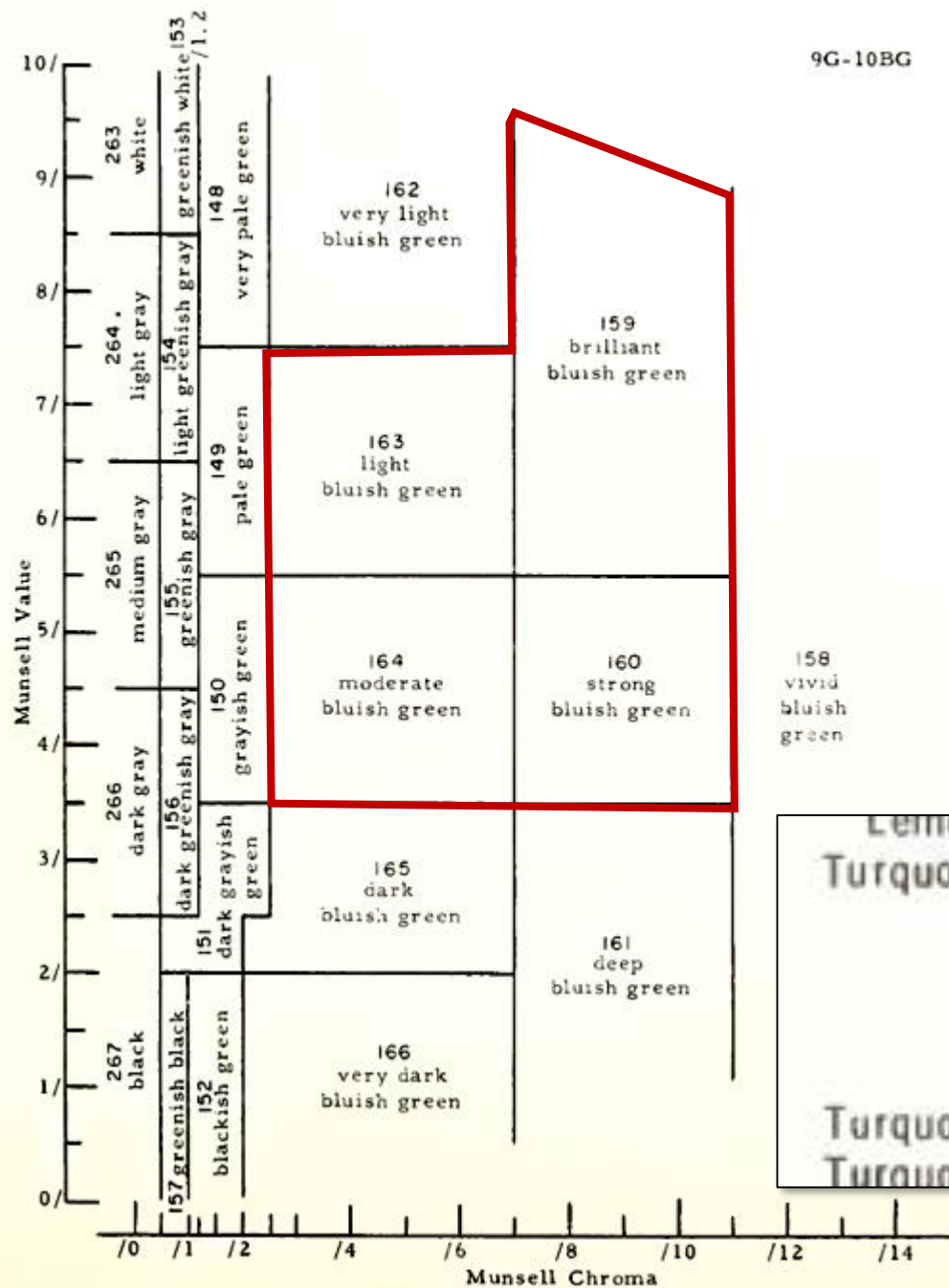


FIGURE 6. A three-dimensional illustration of the ISCC-NBS color-name chart for purple showing the color-name block structure.



Lemon (Yellow)		
Turquoise	T	brill.bG 159, s.bG 160, l.bG 163, m.bG 164, l.gB 172, m.gB 173
Turquoise	TC	l.bG 163
Turquoise Blue (see Blue	M. P	

Next time we argue about a color name

- Measure the color



Next time we argue about color

- Measure the color
- Convert from CIELAB to Munsell

An Open-Source Inversion Algorithm for the Munsell Renotation

Paul Centore

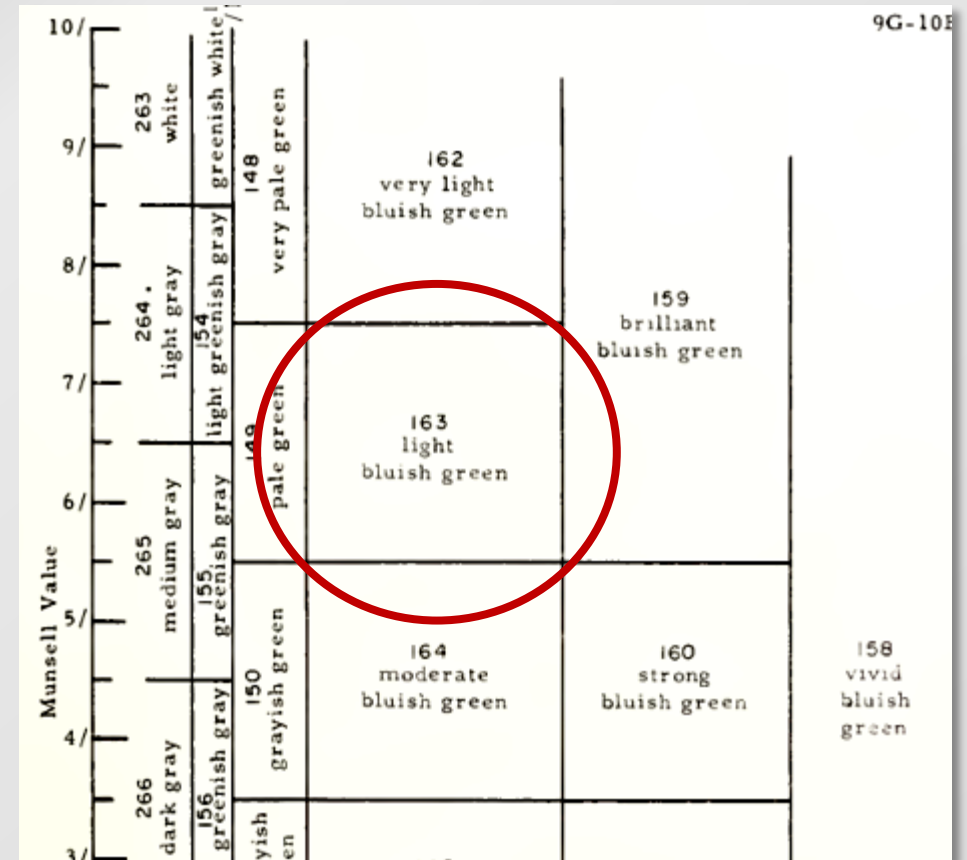
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Abstract

The 1943 Munsell renotation includes a table that converts 2,734 Munsell specifications into xyY coordinates, along with a graphical interpolation method, and a graphical inversion method, that converts xyY coordinates back

Next time we argue about color

- Measure the color
- Convert from CIELAB to Munsell
- Convert from Munsell to Sample ID #



Next time we argue about color

- Measure the color
- Convert from CIELAB to Munsell
- Convert from Munsell to Sample ID #
- Look up Sample ID # in the Color Dictionary

*Honey,
all of these are acceptable names for
that color!*

163. LIGHT BLUISH GREEN

Maerz and Paul

Aphrodite.....	25J8
Beryl Green.....	25J5
Bird's-egg-green.....	27H3
Blue Turquoise.....	25K2
Cambridge Blue.....	35J1
Cameo Blue.....	26F3
Cascade.....	25J3
Corsage Green.....	28G6
Eggshell Blue.....	27H3
Eggshell Green.....	27H3
Eton Blue.....	35J1
Fox Trot.....	27K1
Lagoon.....	26K2
Lumiere Blue.....	26I1
Niagara Green.....	27H4
Nile Blue.....	26J2
Pacific.....	36J1
Robin's Egg Blue.....	27H3
Sprite.....	25K6
Sulphate Green.....	26J8
Tourmaline.....	26H2
Turquoise [Blue].....	25J2
Turquoise Green.....	25I5
Tyrolite Green.....	25J8
Venet.....	27K2
Venice [Blue].....	27K2
Venice Green.....	25J6
Victoria Green.....	27G5
Water-color.....	27K2
Yama.....	25J7

Plochere

Aqua Sky.....	933 G 3-e
Beryl Green.....	934 G 3-f
Dryad.....	949 G 5-e
Elf Green.....	998 Gy 5-f
Empirical Blue.....	893 Gb 4-e
Enduring.....	894 Gb 4-f
Huron.....	989 Gy 4-e
Icy Green.....	941 G 4-e
Monaco.....	981 Gy 3-e
Naid.....	926 G 2-f
Ocean Wave.....	950 G 5-f
Prudence.....	911 Gb 6-g
Rill.....	982 Gy 3-f
Santa Anita Green.....	884 Gb 3-d
Sulfate Green.....	972 Gy 2-d
Turquoise Blue.....	885 Gb 3-e
Venetian Turquoise.....	990 Gy 4-f
Yama.....	973 Gy 2-e

Textile Color Card Association

Bright Turquoise Blue.....	XLII 41''b
Light Niagara Green.....	XXXIII 41''d

Light Porcelain Green.....	XXXIII 39''
Light Sulphate Green.....	XIX 39'b
Lumiere Blue.....	XX 43'd
Niagara Green.....	XXXIII 41''b
Nile Blue.....	XIX 41'd
Pale Sulphate Green.....	XIX 39'd
Sulphate Green.....	XIX 39'
Turquoise Green.....	VII 41d
Tyrolite Green.....	VII 39b

Taylor, Knoche, Granville

Aqua g.....	18 ic
Aqua Green gm.....	19 ic
Bright Aqua m.....	18 ia
Bright Aqua Green m.....	19 ia
Bright Turquoise Green m.....	19 ia
Dark Jade Green g.....	21 ng
Dusty Turquoise Green m.....	20 ie
Jade Green m.....	21 ie
Light Jade Green gm.....	21 ic
Light Emerald Green g.....	21 ga
Light Turquoise g.....	18 ga
Light Turquoise Green g.....	19 ga
Pastel Turquoise Green gm.....	20 ec
Turquoise m.....	18 ia
Turquoise Green gm.....	19 ic

Textile Color Card Association

Aqua.....	70145
Turquoise.....	70020

Other sources

Aerugineus.....	B
Blue.....	S
Blue-Green.....	S
Bluish Green.....	A
Caeruleus.....	B
Dark Blue-Green.....	S
Deep Green.....	S
Dull Green.....	S
Glauco-Venetus.....	B
Glaucus.....	B
Gray Green.....	S
Green.....	MUP 18
Green.....	S
Griseo-Venetus.....	B
Light Blue.....	S
Light Blue Green.....	RC
Venetus.....	B
Veridi-Caeruleus.....	B

*May you enjoy arguing with
your significant other
as much as I do!*

John Seymour

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