

Converting Colors

CIELCh(61, 79.216, 169.130)

Have a look what the booklet for
CIELCh(61, 79.216, 169.130)
contains.

CIELCh(64, 55.922, 159.385)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(64, 55.922, 159.385)

Conversions

Conversions Part 1

Format	Color
Hex	00B176
RGB	0, 177, 118
RGB Percent	0%, 69%, 46%
CMY	0.9982, 0.3054, 0.5368
CMYK	1.00, 0.00, 0.33, 0.31
HSL	160°, 99%, 35%
HSV	160°, 100%, 69%
XYZ	19.0259, 32.8017, 22.4999
YIQ	117.3510, -86.5530, -55.8730

Conversions

Conversions Part 2

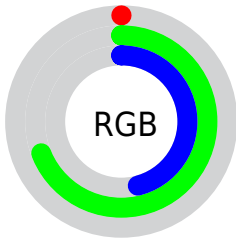
Format	Color
RYB	0, 106, 177
Decimal	45430
CIELab	64.00, -52.34, 19.69
CIELCh	64, 55.922, 159.385
Yxy	32.8017, 0.2560, 0.4413
Android (android.graphics.Color)	4278235510 (0xFF00B176)
YUV	117.3510, 0.3200, -102.9168
Hunter-Lab	57.2727, -40.9299, 16.7985

Details

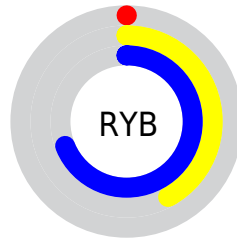
The CIELCh color **64, 55.922, 159.385** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **37, 65.594, 17.657**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 56.165, 159.129**, and **45, 47.802, 153.306** is the 20% darker color. If you saturate the color by 10%, you get **64, 56.000, 159.331**, and if you desaturate by 10%, it is **64, 52.934, 161.505**.

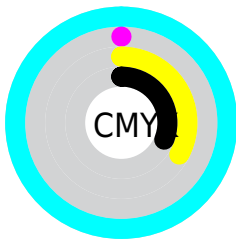
Distribution



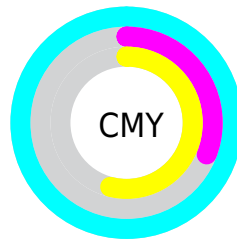
- Red (0%)
- Green (69%)
- Blue (46%)



- Red (0%)
- Yellow (42%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 55.922, 159.385 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 64, 55.922, 159.385 by changing the saturation by 10% instead.


 64, 55.922,
159.385


 64, 55.922,
159.385


 100, 55.922,
159.385


 54, 55.922,
159.385


 84, 55.922,
159.385

 44, 55.922,
159.385

 94, 55.922,
159.385

 34, 55.922,
159.385

 24, 55.922,
159.385

 14, 55.922,
159.385

 4, 55.922, 159.385

 0, 55.922, 159.385

■ 64, 55.922,
159.385

■ 64, 55.922,
159.385

■ 64, 56.000,
159.331

■ 64, 52.934,
161.505

■ 65, 49.377,
163.492

■ 65, 45.089,
165.279

■ 66, 40.076,
166.875

■ 66, 34.397,
168.303

■ 67, 28.148,
169.586

■ 68, 21.447,
170.750

■ 69, 14.415,

171.817

■ 71, 7.166, 172.820

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



64, 55.922, 159.385



37, 65.594, 17.657

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 55.922, 159.385



64, 55.922, 209.385



64, 55.922, 339.385



64, 55.922, 29.385

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



64, 55.922, 159.385



86, 26.680, 170.663



64, 86.595, 132.089



45, 18.058, 170.195



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64, 55.922, 159.385



81, 68.450, 158.917



57, 33.148, 224.492



37, 4.196, 172.861



56, 50.037, 159.612



7, 10.946, 166.934

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



37, 65.594, 17.657



49, 80.083, 18.842



38, 76.693, 42.164



35, 4.296, 354.449



32, 58.800, 17.073



2, 9.822, 358.935

Previews

White Background



This preview shows how the CIELCh color 64, 55.922, 159.385 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 64, 55.922, 159.385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 55.922, 159.385

Background



This preview shows how black text looks on a background with the CIELCh color 64, 55.922, 159.385.

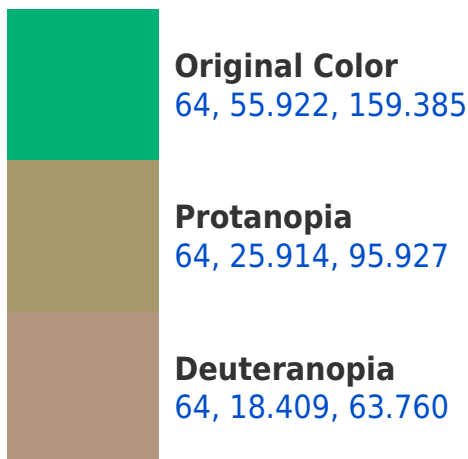


This preview shows how white text looks on a background with the CIELCh color 64, 55.922, 159.385.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
64, 30.537, 212.069

Trichromacy



Original Color
64, 55.922, 159.385



Protanomaly
62, 35.406, 144.947



Deuteranomaly
61, 27.193, 147.722



Tritanomaly
64, 37.415, 185.029

Monochromacy



Original Color
64, 55.922, 159.385



Achromatopsia
50, 0.007, 296.813



Achromatomaly
53, 26.309, 169.310

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 55.922, 159.385 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 177, 118)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 118)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 177, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 55.922, 159.385 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 177, 118) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 177, 118) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 177, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 118);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 55.922, 159.385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 118) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 177,  
118) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor