

Converting Colors

CIELCh(64, 57.144, 158.126)

Have a look what the booklet for
CIELCh(64, 57.144, 158.126)
contains.

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Color

CIELCh(64, 57.058, 158.143)

Conversions

Conversions Part 1

Format	Color
Hex	02B173
RGB	2, 177, 115
RGB Percent	1%, 69%, 45%
CMY	0.9920, 0.3049, 0.5481
CMYK	0.99, 0.00, 0.35, 0.30
HSL	159°, 98%, 35%
HSV	159°, 99%, 70%
XYZ	18.9061, 32.8017, 21.6251
YIQ	117.6070, -84.3980, -56.3820

Conversions

Conversions Part 2

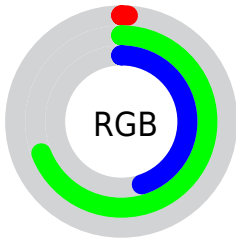
Format	Color
R _Y B	2, 108, 177
Decimal	176499
CIE Lab	64.00, -52.96, 21.24
CIE LCh	64, 57.058, 158.143
Yxy	32.8017, 0.2578, 0.4473
Android (android.graphics.Color)	4278366579 (0xFF02B173)
YUV	117.6070, -1.2853, -101.3873
Hunter-Lab	57.2727, -41.3033, 17.7042

Details

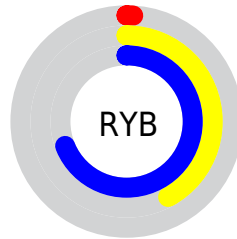
The CIELCh color **64, 57.058, 158.143** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **37, 64.920, 15.350**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 57.269, 157.969**, and **45, 49.080, 151.939** is the 20% darker color. If you saturate the color by 10%, you get **64, 57.416, 157.903**, and if you desaturate by 10%, it is **64, 53.882, 160.289**.

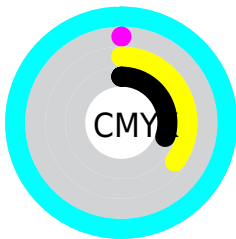
Distribution



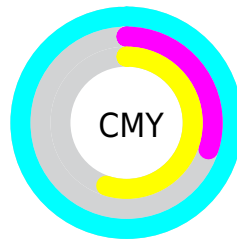
- Red (1%)
- Green (69%)
- Blue (45%)



- Red (1%)
- Yellow (42%)
- Blue (69%)



- Cyan (99%)
- Magenta (0%)
- Yellow (35%)
- Black (30%)




- Cyan (99%)
- Magenta (30%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 57.058, 158.143 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, 57.058, 158.143 by changing the saturation by 10% instead.


 64, 57.058,
158.143


 64, 57.058,
158.143


 100, 57.058,
158.143


 54, 57.058,
158.143


 84, 57.058,
158.143

 44, 57.058,
158.143

 94, 57.058,
158.143

 34, 57.058,
158.143

 24, 57.058,
158.143

 14, 57.058,
158.143

 4, 57.058, 158.143

 0, 57.058, 158.143

■ 64, 57.058,
158.143

■ 64, 57.058,
158.143

■ 64, 57.416,
157.903

■ 64, 53.882,
160.289

■ 65, 50.098,
162.283

■ 65, 45.582,
164.075

■ 66, 40.347,
165.673

■ 66, 34.460,
167.101

■ 67, 28.021,
168.381

■ 68, 21.152,
169.540

■ 70, 13.973,

170.600

■ 71, 6.600, 171.598

Harmonies

Complementary

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



64, 57.058, 158.143



37, 64.920, 15.350

Rectangle

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



64, 57.058, 158.143



64, 57.058, 208.143



64, 57.058, 338.143



64, 57.058, 28.143

Sweetspot

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



64, 57.058, 158.143



86, 27.075, 169.355



64, 85.967, 131.655



45, 18.335, 168.885



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, 57.058, 158.143



81, 70.158, 157.486



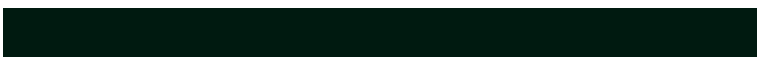
58, 33.287, 220.741



37, 4.249, 171.550



56, 51.259, 158.189



7, 11.107, 165.686

Inverse Universe

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



37, 64.920, 15.350



49, 79.466, 16.949



38, 76.570, 41.601



35, 4.343, 353.129



32, 58.424, 15.207



2, 9.898, 357.829

Previews

White Background



This preview shows how the CIELCh color 64, 57.058, 158.143 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 CIELCh color 64, 57.058, 158.143 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, 57.058, 158.143

Background



This preview shows how black text looks on a background with the CIELCh color 64, 57.058, 158.143.

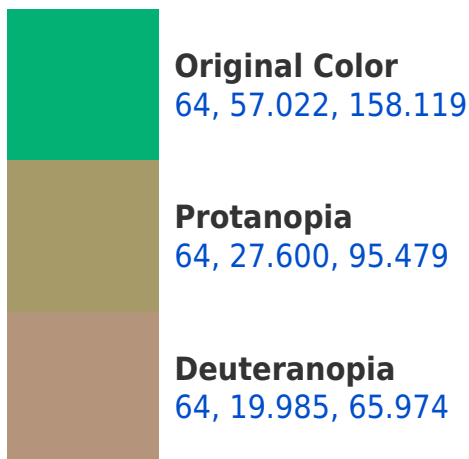


This preview shows how white text looks on a background with the CIELCh color 64, 57.058, 158.143.

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, 30.383, 212.158

Trichromacy



Original Color
64, 57.022, 158.119



Protanomaly
62, 36.533, 143.007



Deuteranomaly
61, 27.847, 145.767



Tritanomaly
64, 37.544, 184.181

Monochromacy



Original Color
64, 57.022, 158.119



Achromatopsia
50, 0.007, 296.813



Achromatomaly
54, 26.977, 167.281

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 57.058, 158.143 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(2, 177, 115)` looks like.

```
.text, #text, p{  
    color:rgb(2, 177, 115)  
}
```

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(2, 177, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 177, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 57.058, 158.143 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(2, 177, 115) }
```

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

```
.border{ border-color:rgb(2, 177, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 177, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 177, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 177, 115);  
box-shadow:4px 4px 4px 4px rgb(2, 177,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 57.058, 158.143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 177, 115) }
```

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

```
.background{ background-color: rgb(2, 177,  
115) }
```

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](#).

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