

Converting Colors

CIELCh(65, 69.911, 164.374)

Have a look what the booklet for
CIELCh(65, 69.911, 164.374)
contains.

CIELCh(67, 58.379, 158.782)	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(67, 58.379, 158.782)

Conversions

Conversions Part 1

Format	Color
Hex	05BA7B
RGB	5, 186, 123
RGB Percent	2%, 73%, 48%
CMY	0.9807, 0.2701, 0.5175
CMYK	0.97, 0.00, 0.34, 0.27
HSL	159°, 95%, 37%
HSV	159°, 97%, 73%
XYZ	21.2229, 36.6320, 24.6992
YIQ	124.6990, -87.6530, -57.9650

Conversions

Conversions Part 2

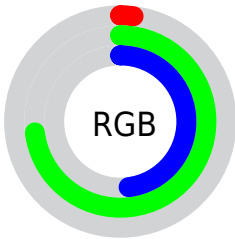
Format	Color
RYB	5, 115, 186
Decimal	375419
CIELab	67.00, -54.42, 21.13
CIELCh	67, 58.379, 158.782
Yxy	36.6320, 0.2571, 0.4437
Android (android.graphics.Color)	4278565499 (0xFF05BA7B)
YUV	124.6990, -0.8376, -104.9760
Hunter-Lab	60.5244, -43.3264, 18.1715

Details

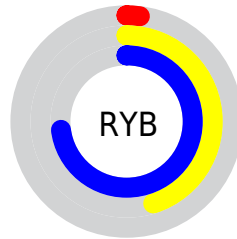
The CIELCh color **67, 58.379, 158.782** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **40, 67.044, 15.349**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 58.188, 158.970**, and **48, 49.958, 153.374** is the 20% darker color. If you saturate the color by 10%, you get **67, 59.207, 158.223**, and if you desaturate by 10%, it is **67, 55.088, 160.934**.

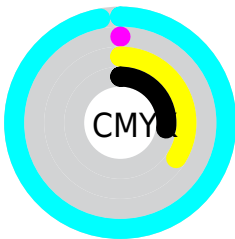
Distribution



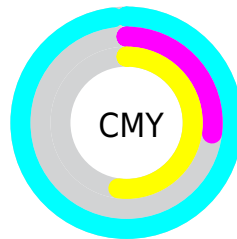
- Red (2%)
- Green (73%)
- Blue (48%)



- Red (2%)
- Yellow (45%)
- Blue (73%)



- Cyan (97%)
- Magenta (0%)
- Yellow (34%)
- Black (27%)





- Cyan (98%)
- Magenta (27%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 58.379, 158.782 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 67, 58.379, 158.782 by changing the saturation by 10% instead.


 67, 58.379,
158.782

 67, 58.379,
158.782


 100, 58.379,
158.782


 57, 58.379,
158.782

 87, 58.379,
158.782

 47, 58.379,
158.782

 97, 58.379,
158.782

 37, 58.379,
158.782

 27, 58.379,
158.782

 17, 58.379,
158.782

 7, 58.379, 158.782

 0, 58.379, 158.782

■ 67, 58.379,
158.782

■ 67, 58.379,
158.782

■ 67, 59.207,
158.223

■ 67, 55.088,
160.934

■ 68, 51.110,
162.904

■ 68, 46.365,
164.671

■ 69, 40.873,
166.248

■ 70, 34.711,
167.656

■ 71, 27.986,
168.921

■ 72, 20.825,
170.068

■ 73, 13.355,

171.120

■ 74, 5.694, 172.122

Harmonies

Complementary

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



67, 58.379, 158.782



40, 67.044, 15.349

Rectangle

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



67, 58.379, 158.782



67, 58.379, 208.782



67, 58.379, 338.782



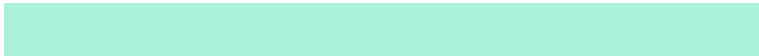
67, 58.379, 28.782

Sweetspot

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



67, 58.379, 158.782



91, 27.266, 169.833



67, 89.090, 131.973



48, 18.736, 169.345



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



67, 58.379, 158.782



85, 72.659, 157.818



60, 34.276, 223.964



38, 4.333, 171.923



57, 51.554, 158.560



8, 12.960, 165.333

Inverse Universe

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



40, 67.044, 15.349



51, 83.015, 17.690



40, 78.081, 41.742



36, 4.432, 353.512



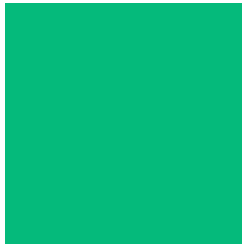
32, 59.256, 15.834



2, 11.393, 359.181

Previews

White Background



This preview shows how the CIE LCh color 67, 58.379, 158.782 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 67, 58.379, 158.782 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 67, 58.379, 158.782

Background



This preview shows how black text looks on a background with the CIELCh color 67, 58.379, 158.782.

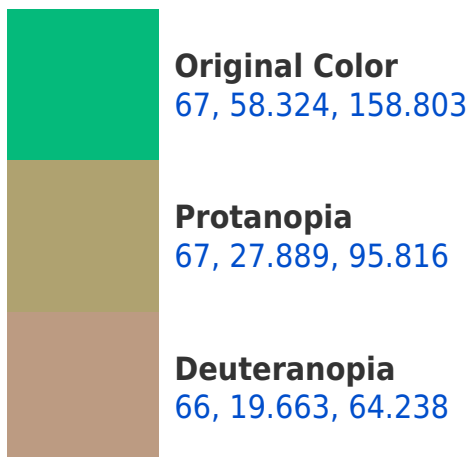


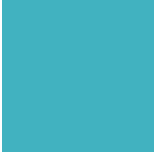
This preview shows how white text looks on a background with the CIELCh color 67, 58.379, 158.782.

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
67, 31.679, 211.367

Trichromacy



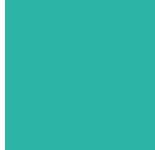
Original Color
67, 58.324, 158.803



Protanomaly
65, 37.743, 143.415



Deuteranomaly
64, 27.863, 146.407



Tritanomaly
67, 38.785, 184.702

Monochromacy



Original Color
67, 58.324, 158.803



Achromatopsia
52, 0.007, 296.813



Achromatomaly
56, 27.366, 168.068

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 58.379, 158.782 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(5, 186, 123)` looks like.

```
.text, #text, p{  
    color:rgb(5, 186, 123)  
}
```

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(5, 186, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 186, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 58.379, 158.782 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(5, 186, 123) }
```

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

```
.border{ border-color:rgb(5, 186, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 186, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 186, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 186, 123);  
box-shadow:4px 4px 4px 4px rgb(5, 186,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 58.379, 158.782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 186, 123) }
```

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

```
.background{ background-color: rgb(5, 186,  
123) }
```

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