

Converting Colors

CIELCh(67, 54.525, 163.294)

Have a look what the booklet for
CIELCh(67, 54.525, 163.294)
contains.

CIELCh(67, 54.686, 163.063)	3
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Color

CIELCh(67, 54.686, 163.063)

Conversions

Conversions Part 1

Format	Color
Hex	00BA85
RGB	0, 186, 133
RGB Percent	0%, 73%, 52%
CMY	1.0000, 0.2721, 0.4798
CMYK	1.00, 0.00, 0.29, 0.27
HSL	163°, 100%, 36%
HSV	163°, 100%, 73%
XYZ	21.6683, 36.6320, 27.9929
YIQ	124.3440, -93.8430, -55.9150

Conversions

Conversions Part 2

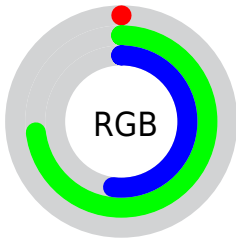
Format	Color
RYB	0, 108, 186
Decimal	47749
CIELab	67.00, -52.31, 15.93
CIELCh	67, 54.686, 163.063
Yxy	36.6320, 0.2511, 0.4245
Android (android.graphics.Color)	4278237829 (0xFF00BA85)
YUV	124.3440, 4.2674, -109.0497
Hunter-Lab	60.5244, -42.0128, 14.9450

Details

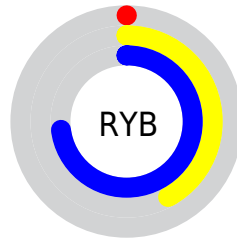
The CIELCh color **67, 54.686, 163.063** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **39, 69.587, 22.441**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 54.627, 162.968**, and **48, 46.186, 157.682** is the 20% darker color. If you saturate the color by 10%, you get **67, 54.631, 163.031**, and if you desaturate by 10%, it is **67, 51.975, 165.084**.

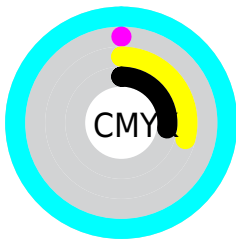
Distribution



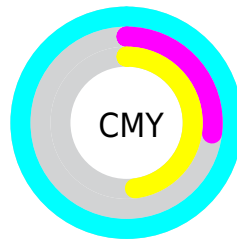
- Red (0%)
- Green (73%)
- Blue (52%)



- Red (0%)
- Yellow (42%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 54.686, 163.063 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, 54.686, 163.063 by changing the saturation by 10% instead.

 67, 54.686,
163.063


 67, 54.686,
163.063


 100, 54.686,
163.063

 57, 54.686,
163.063

 87, 54.686,
163.063

 47, 54.686,
163.063

 97, 54.686,
163.063

 37, 54.686,
163.063

 27, 54.686,
163.063

 17, 54.686,
163.063

 7, 54.686, 163.063

 0, 54.686, 163.063

■ 67, 54.686,
163.063

■ 67, 54.686,
163.063

■ 67, 54.631,
163.031

■ 67, 51.975,
165.084

■ 68, 48.731,
167.003

■ 68, 44.721,
168.729

■ 69, 39.942,
170.274

■ 69, 34.446,
171.662

■ 70, 28.327,
172.918

■ 71, 21.703,
174.064

■ 72, 14.696,

175.124

■ 74, 7.425, 176.129

Harmonies

Complementary

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



67, 54.686, 163.063



39, 69.587, 22.441

Rectangle

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



67, 54.686, 163.063



67, 54.686, 213.063



67, 54.686, 343.063



67, 54.686, 33.063

Sweetspot

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



67, 54.631, 163.031



91, 26.919, 174.009



66, 90.896, 133.155



48, 18.359, 173.533



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, 54.631, 163.031



85, 67.114, 162.641



57, 34.611, 235.581



38, 4.171, 176.196



57, 47.709, 163.348



8, 12.357, 169.584

Inverse Universe

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



39, 69.587, 22.441



51, 85.510, 23.490



41, 78.181, 43.494



36, 4.290, 357.799



32, 60.772, 21.587



2, 11.159, 2.591

Previews

White Background



This preview shows how the CIELCh color 67, 54.686, 163.063 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 67, 54.686, 163.063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

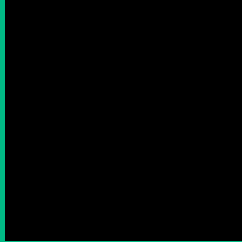
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 54.686, 163.063

Background



This preview shows how black text looks on a background with the CIELCh color 67, 54.686, 163.063.

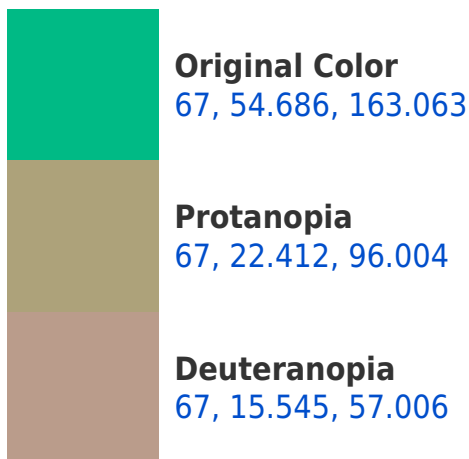


This preview shows how white text looks on a background with the CIELCh color 67, 54.686, 163.063.

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, 32.127, 211.133

Trichromacy



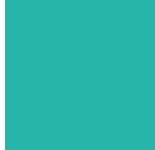
Original Color
67, 54.686, 163.063



Protanomaly
65, 34.057, 149.914



Deuteranomaly
64, 25.020, 155.601



Tritanomaly
67, 38.531, 187.175

Monochromacy



Original Color
67, 54.686, 163.063



Achromatopsia
52, 0.007, 296.813



Achromatomaly
56, 26.334, 172.431

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 54.686, 163.063 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, 186, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 133)  
}
```

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, 186, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 54.686, 163.063 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, 186, 133) }
```

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

```
.border{ border-color:rgb(0, 186, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 54.686, 163.063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 133) }
```

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

```
.background{ background-color: rgb(0, 186,  
133) }
```

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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