

Converting Colors

CIELCh(67, 45.529, 176.424)

Have a look what the booklet for
CIELCh(67, 45.529, 176.424)
contains.

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Color

CIELCh(67, 45.479, 176.591)

Conversions

Conversions Part 1

Format	Color
Hex	00B89D
RGB	0, 184, 157
RGB Percent	0%, 72%, 62%
CMY	0.9993, 0.2792, 0.3850
CMYK	1.00, 0.00, 0.15, 0.28
HSL	171°, 100%, 36%
HSV	171°, 100%, 72%
XYZ	23.1737, 36.6320, 37.6672
YIQ	125.9060, -100.9970, -47.4050

Conversions

Conversions Part 2

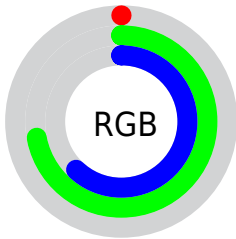
Format	Color
RYB	0, 99, 184
Decimal	47261
CIELab	67.00, -45.40, 2.70
CIELCh	67, 45.479, 176.591
Yxy	36.6320, 0.2377, 0.3758
Android (android.graphics.Color)	4278237341 (0xFF00B89D)
YUV	125.9060, 15.3293, -110.4196
Hunter-Lab	60.5244, -37.5732, 5.4680

Details

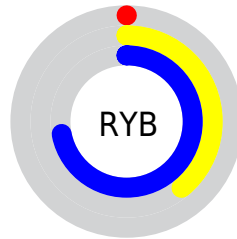
The CIELCh color **67, 45.479, 176.591** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **38, 75.206, 33.082**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 45.633, 176.226**, and **48, 36.737, 172.996** is the 20% darker color. If you saturate the color by 10%, you get **67, 45.492, 176.577**, and if you desaturate by 10%, it is **67, 43.968, 178.076**.

Distribution



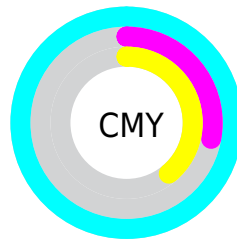
- Red (0%)
- Green (72%)
- Blue (62%)



- Red (0%)
- Yellow (39%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 45.479, 176.591 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, 45.479, 176.591 by changing the saturation by 10% instead.


 67, 45.479,
176.591


 67, 45.479,
176.591


 100, 45.479,
176.591


 57, 45.479,
176.591


 87, 45.479,
176.591

 47, 45.479,
176.591

 97, 45.479,
176.591

 37, 45.479,
176.591

 27, 45.479,
176.591

 17, 45.479,
176.591

 7, 45.479, 176.591

 0, 45.479, 176.591

■ 67, 45.479,
176.591

■ 67, 45.479,
176.591

■ 67, 45.492,
176.577

■ 67, 43.968,
178.076

■ 67, 41.848,
179.457

■ 68, 38.935,
180.709

■ 68, 35.212,
181.853

■ 69, 30.714,
182.909

■ 70, 25.520,
183.896

■ 71, 19.732,
184.833

■ 72, 13.463,

185.733

■ 73, 6.828, 186.624

Harmonies

Complementary

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



67, 45.479, 176.591



38, 75.206, 33.082

Rectangle

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



67, 45.479, 176.591



67, 45.479, 226.591



67, 45.479, 356.591



67, 45.479, 46.591

Sweetspot

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



67, 45.479, 176.590



90, 24.515, 184.778



65, 92.570, 135.170



47, 16.510, 184.391



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



67, 45.479, 176.590



85, 55.679, 176.294



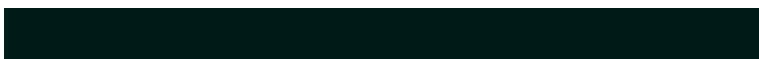
48, 41.742, 264.780



38, 3.904, 186.677



57, 40.122, 176.792



8, 11.205, 181.773

Inverse Universe

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



38, 75.206, 33.082



50, 92.697, 34.008



44, 71.875, 50.075



36, 4.072, 8.130



32, 66.049, 32.416



2, 10.789, 10.541

Previews

White Background



This preview shows how the CIE LCh color 67, 45.479, 176.591 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, 45.479, 176.591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

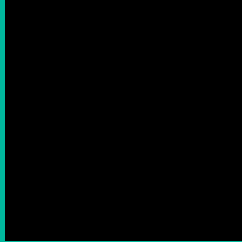
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

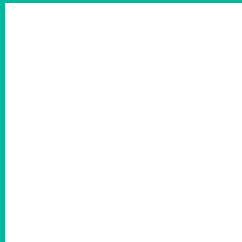
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 45.479, 176.591

Background



This preview shows how black text looks on a background with the CIELCh color 67, 45.479, 176.591.

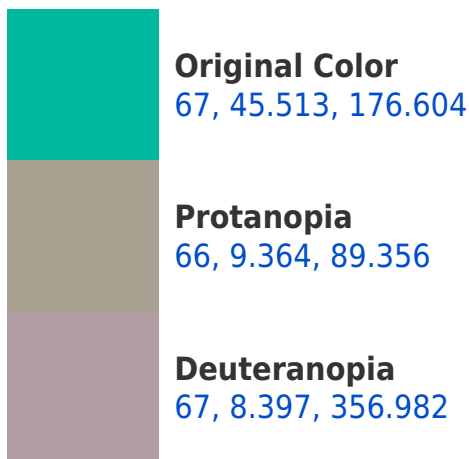


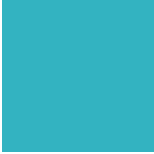
This preview shows how white text looks on a background with the CIELCh color 67, 45.479, 176.591.

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, 33.770, 210.315

Trichromacy



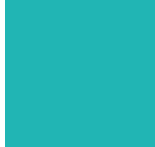
Original Color
67, 45.513, 176.604



Protanomaly
65, 24.677, 170.453



Deuteranomaly
65, 19.260, 187.714



Tritanomaly
67, 37.234, 195.631

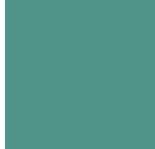
Monochromacy



Original Color
67, 45.513, 176.604



Achromatopsia
53, 0.007, 296.813



Achromatomaly
56, 23.895, 183.223

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 45.479, 176.591 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, 184, 157)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 157)  
}
```

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, 184, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 45.479, 176.591 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, 184, 157) }
```

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

```
.border{ border-color:rgb(0, 184, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 45.479, 176.591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 157) }
```

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

```
.background{ background-color: rgb(0, 184,  
157) }
```

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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