

Converting Colors

CIELCh(67, 28.308, 217.367)

Have a look what the booklet for
CIELCh(67, 28.308, 217.367)
contains.

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Color

CIELCh(67, 28.292, 216.996)

Conversions

Conversions Part 1

Format	Color
Hex	53B0C1
RGB	83, 176, 193
RGB Percent	33%, 69%, 76%
CMY	0.6754, 0.3107, 0.2440
CMYK	0.57, 0.09, 0.00, 0.24
HSL	189°, 47%, 54%
HSV	189°, 57%, 76%
XYZ	28.6282, 36.6320, 55.8824
YIQ	150.1310, -60.8850, -14.4290

Conversions

Conversions Part 2

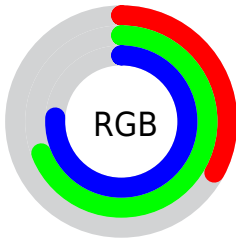
Format	Color
R _Y B	83, 133, 193
Decimal	5484737
CIE Lab	67.00, -22.60, -17.02
CIE LCh	67, 28.292, 216.996
Yxy	36.6320, 0.2363, 0.3024
Android (android.graphics.Color)	4283674817 (0xFF53B0C1)
YUV	150.1310, 21.1344, -58.8739
Hunter-Lab	60.5244, -21.4865, -12.3757

Details

The CIELCh color **67, 28.292, 216.996** is a light color, and the websafe version is hex **339999**. The color can be described as light muted azure. A complement of this color would be **53, 44.406, 36.713**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 28.382, 216.184**, and **47, 28.177, 216.735** is the 20% darker color. If you saturate the color by 10%, you get **66, 31.142, 218.307**, and if you desaturate by 10%, it is **69, 24.684, 216.021**.

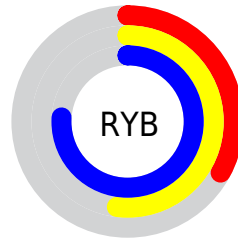
Distribution



Red (33%)

Green (69%)

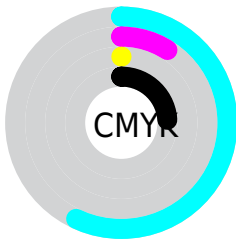
Blue (76%)



Red (33%)

Yellow (52%)

Blue (76%)

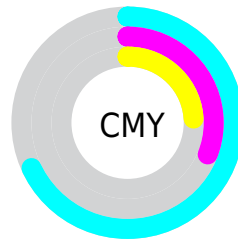


Cyan (57%)

Magenta (9%)

Yellow (0%)

Black (24%)



Cyan (68%)

Magenta (31%)

Yellow (24%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 28.292, 216.996 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, 28.292, 216.996 by changing the saturation by 10% instead.

 67, 28.292,
216.996

 67, 28.292,
216.996

 100, 28.292,
216.996


 57, 28.292,
216.996

 87, 28.292,
216.996

 47, 28.292,
216.996

 97, 28.292,
216.996

 37, 28.292,
216.996

 27, 28.292,
216.996

 17, 28.292,
216.996

 7, 28.292, 216.996

 0, 28.292, 216.996

67, 28.292,
216.996

67, 28.292,
216.996

66, 31.142,
218.307

69, 24.684,
216.021

64, 33.206,
220.024

70, 20.389,
215.327

63, 34.503,
222.212

72, 15.496,
214.861

62, 35.146,
224.900

74, 10.101,
214.584

62, 35.291,
225.727

76, 4.300, 214.501

79, 1.821, 34.037

81, 8.185, 34.307

83, 14.727, 34.442

86, 20.909, 34.901

Harmonies

Complementary

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



67, 28.292, 216.996



53, 44.406, 36.713

Rectangle

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



67, 28.292, 216.996



67, 28.292, 266.996



67, 28.292, 36.996



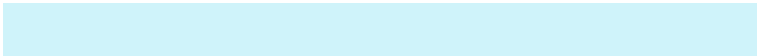
67, 28.292, 86.996

Sweetspot

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



67, 28.291, 216.994



94, 12.413, 214.588



70, 63.508, 143.619



49, 8.250, 214.631



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



67, 28.291, 216.994



83, 38.431, 218.616



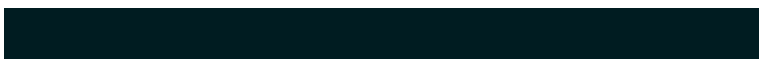
51, 42.305, 280.887



40, 3.443, 214.496



52, 30.840, 225.278



9, 10.648, 218.941

Inverse Universe

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



52, 62.634, 332.544



63, 87.820, 333.325



66, 42.875, 82.114



38, 6.495, 329.519



37, 72.594, 335.421



4, 20.930, 332.320

Previews

White Background



This preview shows how the CIE LCh color 67, 28.292, 216.996 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, 28.292, 216.996 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, 28.292, 216.996

Background



This preview shows how black text looks on a background with the CIELCh color 67, 28.292, 216.996.

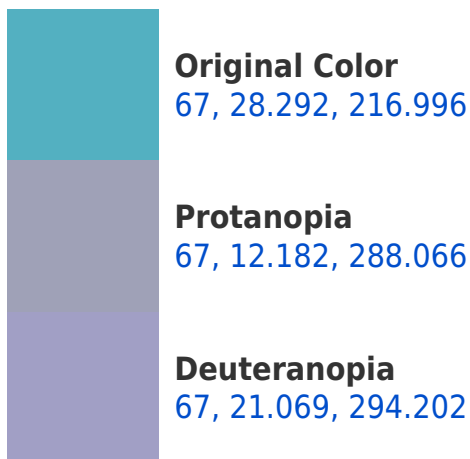


This preview shows how white text looks on a background with the CIELCh color 67, 28.292, 216.996.

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, 28.322, 213.353

Trichromacy



Original Color
67, 28.292, 216.996



Protanomaly
66, 16.244, 244.713



Deuteranomaly
66, 19.326, 258.640



Tritanomaly
67, 28.364, 214.522

Monochromacy



Original Color
67, 28.292, 216.996



Achromatopsia
62, 0.008, 296.813



Achromatomaly
63, 12.197, 217.284

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 28.292, 216.996 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(83, 176, 193)` looks like.

```
.text, #text, p{  
    color:rgb(83, 176, 193)  
}
```

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(83, 176, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 176, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 28.292, 216.996 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(83, 176, 193) }
```

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

```
.border{ border-color:rgb(83, 176, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 176, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 176, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 176, 193);  
box-shadow:4px 4px 4px 4px rgb(83, 176,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 28.292, 216.996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 176, 193) }
```

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

```
.background{ background-color: rgb(83, 176,  
193) }
```

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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