

Converting Colors

CIELCh(67, 29.174, 195.947)

Have a look what the booklet for
CIELCh(67, 29.174, 195.947)
contains.

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Color

CIELCh(67, 29.215, 195.974)

Conversions

Conversions Part 1

Format	Color
Hex	53B2B1
RGB	83, 178, 177
RGB Percent	33%, 70%, 69%
CMY	0.6764, 0.3037, 0.3077
CMYK	0.54, 0.00, 0.01, 0.30
HSL	179°, 38%, 51%
HSV	179°, 54%, 70%
XYZ	27.2442, 36.6320, 46.9935
YIQ	149.4810, -56.2990, -20.4510

Conversions

Conversions Part 2

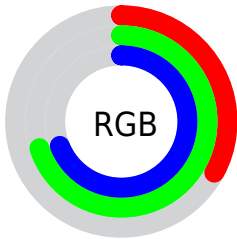
Format	Color
RYB	83, 131, 178
Decimal	5485233
CIELab	67.00, -28.09, -8.04
CIElCh	67, 29.215, 195.974
Yxy	36.6320, 0.2457, 0.3304
Android (android.graphics.Color)	4283675313 (0xFF53B2B1)
YUV	149.4810, 13.5669, -58.3038
Hunter-Lab	60.5244, -25.5684, -3.6681

Details

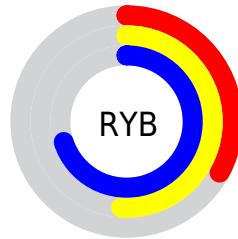
The CIELCh color **67, 29.215, 195.974** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **47, 42.791, 25.022**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 29.273, 196.456**, and **47, 29.153, 196.425** is the 20% darker color. If you saturate the color by 10%, you get **66, 32.631, 195.636**, and if you desaturate by 10%, it is **68, 25.029, 196.360**.

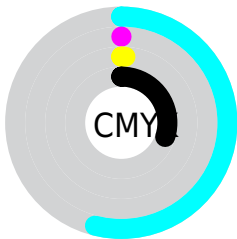
Distribution



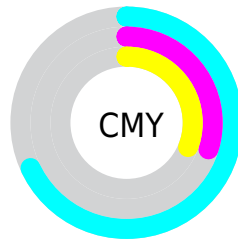
- Red (33%)
- Green (70%)
- Blue (69%)



- Red (33%)
- Yellow (51%)
- Blue (70%)



- Cyan (54%)
- Magenta (0%)
- Yellow (1%)
- Black (30%)




- Cyan (68%)
- Magenta (30%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 29.215, 195.974 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, 29.215, 195.974 by changing the saturation by 10% instead.


 67, 29.215,
195.974


 67, 29.215,
195.974


 100, 29.215,
195.974


 57, 29.215,
195.974


 87, 29.215,
195.974

 47, 29.215,
195.974

 97, 29.215,
195.974

 37, 29.215,
195.974

 27, 29.215,
195.974

 17, 29.215,
195.974

 7, 29.215, 195.974

 0, 29.215, 195.974

67, 29.215,
195.974

67, 29.215,
195.974

66, 32.631,
195.636

68, 25.029,
196.360

66, 35.235,
195.351

69, 20.149,
196.799

66, 37.030,
195.112

70, 14.667,
197.288

66, 38.069,
194.911

71, 8.690, 197.832

72, 2.320, 198.546

66, 38.488,
194.794

73, 4.344, 18.796

75, 11.218, 19.472

77, 18.227, 20.108

78, 25.313, 20.745

Harmonies

Complementary

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



67, 29.215, 195.974



47, 42.791, 25.022

Rectangle

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



67, 29.215, 195.974



67, 29.215, 245.974



67, 29.215, 15.974



67, 29.215, 65.974

Sweetspot

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



67, 29.215, 195.972



89, 12.681, 197.676



65, 61.734, 139.718



48, 8.580, 197.564



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



67, 29.215, 195.972



85, 40.441, 195.588



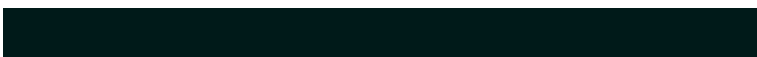
53, 29.468, 263.859



37, 3.694, 198.087



57, 34.487, 194.812



7, 9.148, 197.837

Inverse Universe

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



47, 42.791, 25.022



56, 65.092, 28.017



58, 34.984, 67.133



35, 3.910, 19.063



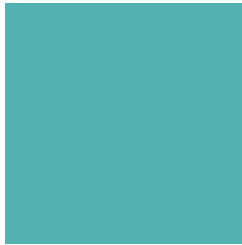
31, 70.537, 39.108



2, 9.158, 18.730

Previews

White Background



This preview shows how the CIELCh color 67, 29.215, 195.974 looks on a white background.

Color Contrast Check

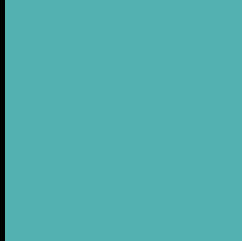
Large Text (above 18pt) WCAG AA × Fail

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, 29.215, 195.974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

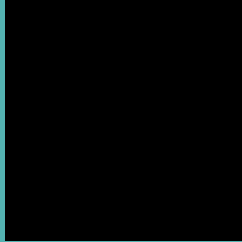
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 29.215, 195.974

Background



This preview shows how black text looks on a background with the CIELCh color 67, 29.215, 195.974.

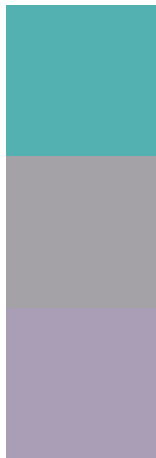


This preview shows how white text looks on a background with the CIELCh color 67, 29.215, 195.974.

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



Original Color

67, 29.215, 195.974

Protanopia

67, 3.526, 309.193

Deuteranopia

67, 13.417, 308.882



Tritanopia
67, 27.327, 214.021

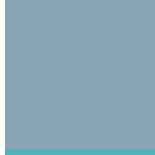
Trichromacy



Original Color
67, 29.215, 195.974



Protanomaly
66, 11.818, 206.584



Deuteranomaly
66, 12.022, 239.167



Tritanomaly
67, 27.900, 206.467

Monochromacy



Original Color
67, 29.215, 195.974



Achromatopsia
62, 0.008, 296.813



Achromatomaly
63, 12.257, 198.349

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 29.215, 195.974 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, 178, 177)` looks like.

```
.text, #text, p{  
    color:rgb(83, 178, 177)  
}
```

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, 178, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 178, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 29.215, 195.974 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, 178, 177) }
```

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

```
.border{ border-color:rgb(83, 178, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 178, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 178, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 178, 177);  
box-shadow:4px 4px 4px 4px rgb(83, 178,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 29.215, 195.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 178, 177) }
```

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

```
.background{ background-color: rgb(83, 178,  
177) }
```

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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