

Converting Colors

CIELCh(68, 29.709, 193.842)

Have a look what the booklet for
CIELCh(68, 29.709, 193.842)
contains.

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Color

CIELCh(68, 29.732, 193.828)

Conversions

Conversions Part 1

Format	Color
Hex	55B5B2
RGB	85, 181, 178
RGB Percent	33%, 71%, 70%
CMY	0.6685, 0.2919, 0.3037
CMYK	0.53, 0.00, 0.02, 0.29
HSL	178°, 39%, 52%
HSV	178°, 53%, 71%
XYZ	28.1280, 37.9720, 47.7346
YIQ	151.9540, -56.2530, -21.2850

Conversions

Conversions Part 2

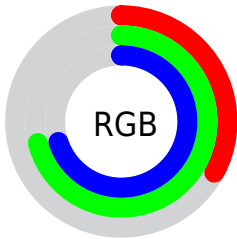
Format	Color
RYB	85, 134, 181
Decimal	5617074
CIELab	68.00, -28.87, -7.11
CIElCh	68, 29.732, 193.828
Yxy	37.9720, 0.2471, 0.3336
Android (android.graphics.Color)	4283807154 (0xFF55B5B2)
YUV	151.9540, 12.8407, -58.7187
Hunter-Lab	61.6215, -26.3588, -2.7935

Details

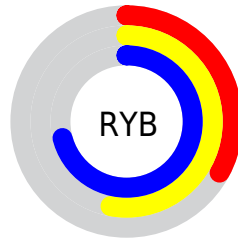
The CIELCh color **68, 29.732, 193.828** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **48, 42.772, 23.479**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 29.725, 194.423**, and **48, 29.910, 192.948** is the 20% darker color. If you saturate the color by 10%, you get **67, 33.302, 193.348**, and if you desaturate by 10%, it is **69, 25.391, 194.333**.

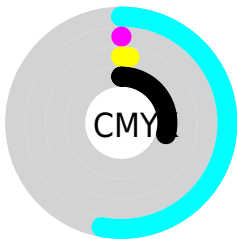
Distribution



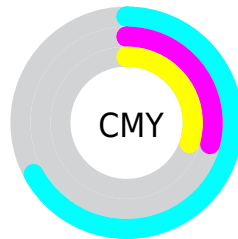
- Red (33%)
- Green (71%)
- Blue (70%)



- Red (33%)
- Yellow (53%)
- Blue (71%)



- Cyan (53%)
- Magenta (0%)
- Yellow (2%)
- Black (29%)



- Cyan (67%)
- Magenta (29%)
- Yellow (30%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 29.732, 193.828 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 68, 29.732, 193.828 by changing the saturation by 10% instead.

 68, 29.732,
193.828


 68, 29.732,
193.828


 100, 29.732,
193.828


 58, 29.732,
193.828


 88, 29.732,
193.828

 48, 29.732,
193.828

 98, 29.732,
193.828

 38, 29.732,
193.828

 28, 29.732,
193.828

 18, 29.732,
193.828

 8, 29.732, 193.828

 0, 29.732, 193.828

68, 29.732,
193.828

68, 29.732,
193.828

67, 33.302,
193.348

69, 25.391,
194.333

67, 36.052,
192.892

70, 20.357,
194.871

67, 37.980,
192.451

71, 14.731,
195.443

67, 39.136,
192.015

72, 8.620, 196.057

66, 39.634,
191.718

73, 2.129, 196.849

75, 4.642, 17.132

76, 11.608, 17.842

78, 18.696, 18.511

80, 25.847, 19.175

Harmonies

Complementary

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



68, 29.732, 193.828



48, 42.772, 23.479

Rectangle

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



68, 29.732, 193.828



68, 29.732, 243.828



68, 29.732, 13.828



68, 29.732, 63.828

Sweetspot

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



68, 29.732, 193.826



90, 12.836, 195.862



66, 61.943, 139.424



48, 8.610, 195.737



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



68, 29.732, 193.826



85, 41.227, 193.260



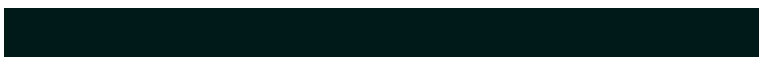
55, 29.091, 261.810



37, 3.703, 196.315



57, 35.064, 191.776



7, 9.181, 195.351

Inverse Universe

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



48, 42.772, 23.479



57, 65.052, 26.609



58, 35.117, 65.506



35, 3.911, 17.385



31, 69.772, 38.270



2, 9.166, 17.399

Previews

White Background



This preview shows how the CIELCh color 68, 29.732, 193.828 looks on a white background.

Color Contrast Check

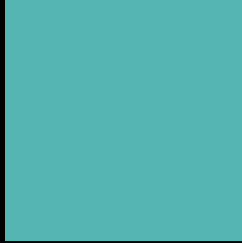
Large Text (above 18pt) WCAG AA × Fail

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 68, 29.732, 193.828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

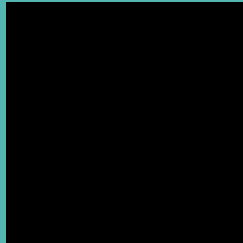
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 29.732, 193.828

Background



This preview shows how black text looks on a background with the CIELCh color 68, 29.732, 193.828.

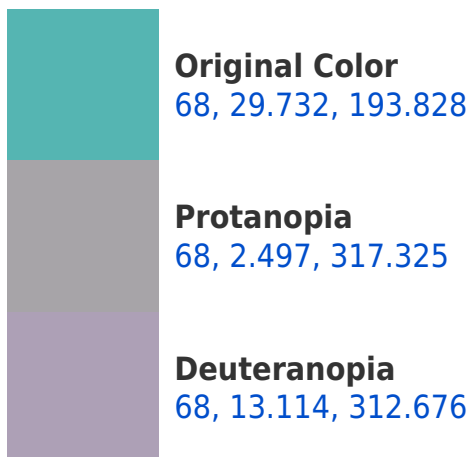


This preview shows how white text looks on a background with the CIELCh color 68, 29.732, 193.828.

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
68, 27.206, 215.329

Trichromacy



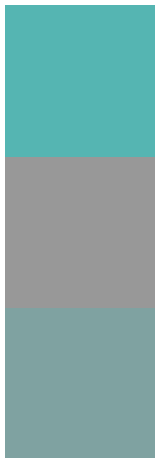
Original Color
68, 29.732, 193.828

Protanomaly
67, 11.785, 201.150

Deuteranomaly
67, 11.433, 237.927

Tritanomaly
68, 27.720, 206.536

Monochromacy



Original Color
68, 29.732, 193.828

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 12.627, 195.781

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 29.732, 193.828 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(85, 181, 178)` looks like.

```
.text, #text, p{  
    color:rgb(85, 181, 178)  
}
```

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(85, 181, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 181, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 29.732, 193.828 is called "border". The border property can be set on classes, ids or directly on the HTML element.

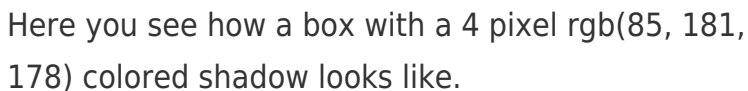
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(85, 181, 178) }
```

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

```
.border{ border-color:rgb(85, 181, 178) }
```

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



Here you see how a box with a 4 pixel `rgb(85, 181, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 181, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 181, 178);  
box-shadow:4px 4px 4px 4px rgb(85, 181,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 29.732, 193.828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 181, 178) }
```

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

```
.background{ background-color: rgb(85, 181,  
178) }
```

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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