

Converting Colors

CIELCh(70, 29.639, 194.350)

Have a look what the booklet for
CIELCh(70, 29.639, 194.350)
contains.

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Color

CIELCh(70, 29.794, 193.893)

Conversions

Conversions Part 1

Format	Color
Hex	5ABAB7
RGB	90, 186, 183
RGB Percent	35%, 73%, 72%
CMY	0.6467, 0.2703, 0.2821
CMYK	0.52, 0.00, 0.02, 0.27
HSL	178°, 41%, 54%
HSV	178°, 52%, 73%
XYZ	30.3543, 40.7494, 51.1060
YIQ	156.9540, -56.2530, -21.2850

Conversions

Conversions Part 2

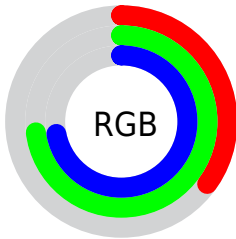
Format	Color
RYB	90, 139, 186
Decimal	5946039
CIELab	70.00, -28.92, -7.15
CIELCh	70, 29.794, 193.893
Yxy	40.7494, 0.2484, 0.3334
Android (android.graphics.Color)	4284136119 (0xFF5ABAB7)
YUV	156.9540, 12.8407, -58.7187
Hunter-Lab	63.8353, -26.8333, -2.7824

Details

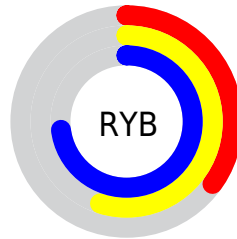
The CIELCh color **70, 29.794, 193.893** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **50, 42.369, 23.141**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 29.712, 194.465**, and **50, 29.674, 194.180** is the 20% darker color. If you saturate the color by 10%, you get **69, 33.574, 193.407**, and if you desaturate by 10%, it is **71, 25.232, 194.404**.

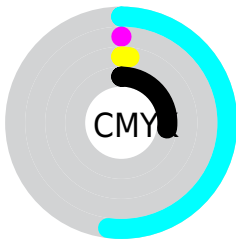
Distribution



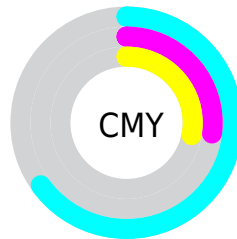
- Red (35%)
- Green (73%)
- Blue (72%)



- Red (35%)
- Yellow (55%)
- Blue (73%)



- Cyan (52%)
- Magenta (0%)
- Yellow (2%)
- Black (27%)





- Cyan (65%)
- Magenta (27%)
- Yellow (28%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 29.794, 193.893 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 70, 29.794, 193.893 by changing the saturation by 10% instead.


 70, 29.794,
193.893

 70, 29.794,
193.893


 100, 29.794,
193.893


 60, 29.794,
193.893


 90, 29.794,
193.893

 50, 29.794,
193.893

 40, 29.794,
193.893

 30, 29.794,
193.893

 20, 29.794,
193.893

 10, 29.794,
193.893

 0, 29.794, 193.893

70, 29.794,
193.893

70, 29.794,
193.893

69, 33.574,
193.407

71, 25.232,
194.404

69, 36.517,
192.947

72, 19.974,
194.949

69, 38.612,
192.503

73, 14.124,
195.528

68, 39.903,
192.065

74, 7.793, 196.153

75, 1.090, 197.179

68, 40.537,
191.696

77, 5.887, 17.250

78, 13.051, 17.946

80, 20.330, 18.615

82, 26.651, 19.100

Harmonies

Complementary

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



70, 29.794, 193.893



50, 42.369, 23.141

Rectangle

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



70, 29.794, 193.893



70, 29.794, 243.893



70, 29.794, 13.893



70, 29.794, 63.893

Sweetspot

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



70, 29.794, 193.891



93, 12.384, 195.916



68, 61.749, 139.576



50, 8.468, 195.784



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



70, 29.794, 193.891



88, 41.502, 193.340



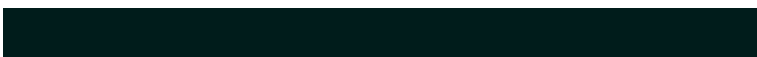
57, 28.977, 261.381



38, 3.790, 196.306



58, 35.496, 191.758



8, 10.608, 194.185

Inverse Universe

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



50, 42.369, 23.141



59, 64.509, 26.038



60, 34.781, 65.680



36, 4.004, 17.381



32, 70.685, 38.336



2, 10.649, 17.501

Previews

White Background



This preview shows how the CIELCh color 70, 29.794, 193.893 looks on a white background.

Color Contrast Check

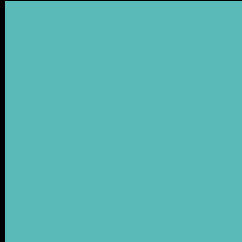
Large Text (above 18pt) WCAG AA × Fail

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 70, 29.794, 193.893 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 70, 29.794, 193.893

Background



This preview shows how black text looks on a background with the CIELCh color 70, 29.794, 193.893.

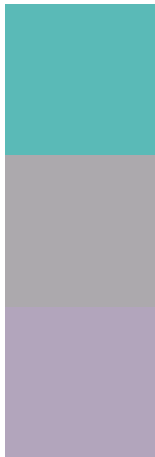


This preview shows how white text looks on a background with the CIELCh color 70, 29.794, 193.893.

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
70, 29.794, 193.893

Protanopia
70, 2.484, 317.321

Deuteranopia
69, 13.554, 311.826



Tritanopia
70, 27.494, 215.040

Trichromacy



Original Color
70, 29.794, 193.893



Protanomaly
69, 11.734, 203.884



Deuteranomaly
69, 11.640, 236.804



Tritanomaly
70, 28.021, 206.403

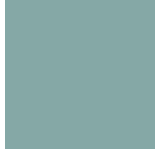
Monochromacy



Original Color
70, 29.794, 193.893



Achromatopsia
65, 0.008, 296.813



Achromatomaly
66, 12.655, 193.304

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 29.794, 193.893 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(90, 186, 183)` looks like.

```
.text, #text, p{  
    color:rgb(90, 186, 183)  
}
```

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(90, 186, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 186, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 29.794, 193.893 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(90, 186, 183) }
```

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

```
.border{ border-color:rgb(90, 186, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 186, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 186, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 186, 183);  
box-shadow:4px 4px 4px 4px rgb(90, 186,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 29.794, 193.893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 186, 183) }
```

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

```
.background{ background-color: rgb(90, 186,  
183) }
```

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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