

Converting Colors

CIELCh(69, 28.298, 195.475)

Have a look what the booklet for
CIELCh(69, 28.298, 195.475)
contains.

CIELCh(69, 28.511, 194.932)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(69, 28.511, 194.932)

Conversions

Conversions Part 1

Format	Color
Hex	5CB7B5
RGB	92, 183, 181
RGB Percent	36%, 72%, 71%
CMY	0.6403, 0.2834, 0.2912
CMYK	0.50, 0.00, 0.01, 0.28
HSL	179°, 39%, 54%
HSV	179°, 50%, 72%
XYZ	29.5786, 39.3444, 49.6102
YIQ	155.5630, -53.5940, -19.9140

Conversions

Conversions Part 2

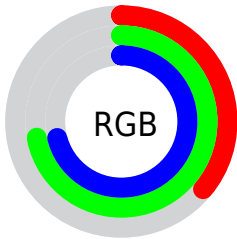
Format	Color
R_{YB}	92, 138, 183
Decimal	6076341
CIE _{Lab}	69.00, -27.55, -7.35
CIE _{LCh}	69, 28.511, 194.932
Yxy	39.3444, 0.2495, 0.3319
Android (android.graphics.Color)	4284266421 (0xFF5CB7B5)
YUV	155.5630, 12.5404, -55.7448
Hunter-Lab	62.7251, -25.5955, -2.9857

Details

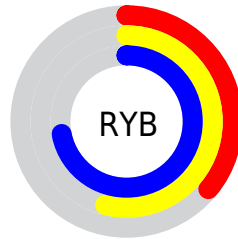
The CIELCh color **69, 28.511, 194.932** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **50, 40.235, 23.420**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 28.331, 195.449**, and **49, 28.676, 194.158** is the 20% darker color. If you saturate the color by 10%, you get **68, 32.345, 194.500**, and if you desaturate by 10%, it is **70, 23.917, 195.399**.

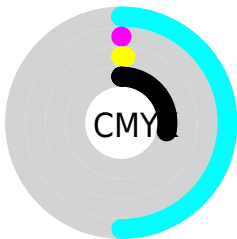
Distribution



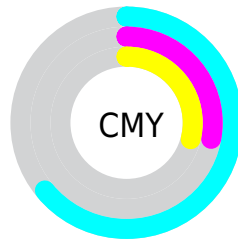
- Red (36%)
- Green (72%)
- Blue (71%)



- Red (36%)
- Yellow (54%)
- Blue (72%)



- Cyan (50%)
- Magenta (0%)
- Yellow (1%)
- Black (28%)





- Cyan (64%)
- Magenta (28%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 28.511, 194.932 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 69, 28.511, 194.932 by changing the saturation by 10% instead.

 69, 28.511,
194.932


 69, 28.511,
194.932


 100, 28.511,
194.932


 59, 28.511,
194.932


 89, 28.511,
194.932


 49, 28.511,
194.932


 99, 28.511,
194.932

 39, 28.511,
194.932

 29, 28.511,
194.932

 19, 28.511,
194.932

 9, 28.511, 194.932

 0, 28.511, 194.932

69, 28.511,
194.932

69, 28.511,
194.932

68, 32.345,
194.500

70, 23.917,
195.399

68, 35.359,
194.107

71, 18.650,
195.909

68, 37.537,
193.745

72, 12.814,
196.461

67, 38.912,
193.405

73, 6.517, 197.070

67, 39.667,
193.078

74, 0.135, 13.793

67, 39.680,
193.072

76, 7.047, 18.133

77, 14.136, 18.802

79, 21.333, 19.457

81, 28.106, 20.039

Harmonies

Complementary

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



69, 28.511, 194.932



50, 40.235, 23.420

Rectangle

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



69, 28.511, 194.932



69, 28.511, 244.932



69, 28.511, 14.932



69, 28.511, 64.932

Sweetspot

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



69, 28.511, 194.930



91, 12.154, 196.729



67, 58.934, 139.763



49, 8.310, 196.604



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



69, 28.511, 194.930



87, 39.812, 194.451



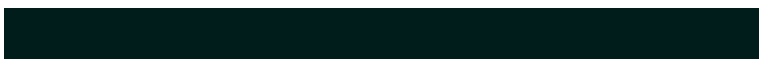
57, 27.635, 260.863



38, 3.785, 197.101



58, 35.222, 193.112



8, 10.578, 195.236

Inverse Universe

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



50, 40.235, 23.420



59, 61.394, 26.097



60, 32.935, 65.896



36, 4.003, 18.135



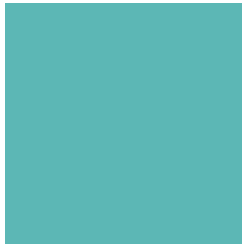
32, 71.035, 38.717



2, 10.644, 18.067

Previews

White Background



This preview shows how the CIE LCh color 69, 28.511, 194.932 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 69, 28.511, 194.932 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

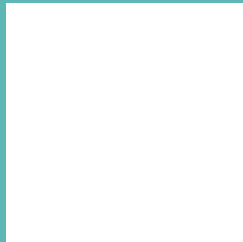
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 28.511, 194.932

Background



This preview shows how black text looks on a background with the CIELCh color 69, 28.511, 194.932.

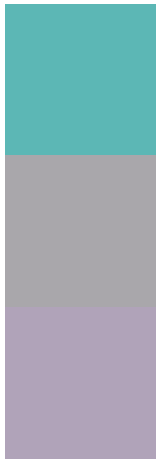


This preview shows how white text looks on a background with the CIELCh color 69, 28.511, 194.932.

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
69, 28.511, 194.932

Protanopia
69, 2.339, 309.123

Deuteranopia
69, 13.072, 312.668



Tritanopia
69, 26.334, 214.672

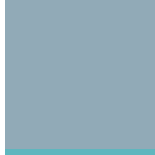
Trichromacy



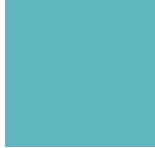
Original Color
69, 28.511, 194.932



Protanomaly
68, 11.418, 204.063



Deuteranomaly
68, 11.149, 238.979



Tritanomaly
69, 26.881, 206.879

Monochromacy



Original Color
69, 28.511, 194.932



Achromatopsia
64, 0.008, 296.813



Achromatomaly
65, 11.926, 195.721

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 28.511, 194.932 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(92, 183, 181)` looks like.

```
.text, #text, p{  
    color:rgb(92, 183, 181)  
}
```

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(92, 183, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 183, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 28.511, 194.932 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(92, 183, 181) }
```

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

```
.border{ border-color:rgb(92, 183, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 183, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 183, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 183, 181);  
box-shadow:4px 4px 4px 4px rgb(92, 183,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 28.511, 194.932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 183, 181) }
```

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

```
.background{ background-color: rgb(92, 183,  
181) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor