

Converting Colors

CIELCh(69, 29.618, 197.100)

Have a look what the booklet for
CIELCh(69, 29.618, 197.100)
contains.

CIELCh(69, 29.603, 197.092)	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, 29.603, 197.092)

Conversions

Conversions Part 1

Format	Color
Hex	56B7B7
RGB	86, 183, 183
RGB Percent	34%, 72%, 72%
CMY	0.6621, 0.2817, 0.2817
CMYK	0.53, 0.00, 0.00, 0.28
HSL	180°, 40%, 53%
HSV	180°, 53%, 72%
XYZ	29.3834, 39.3444, 50.9312
YIQ	153.9970, -57.8120, -20.5640

Conversions

Conversions Part 2

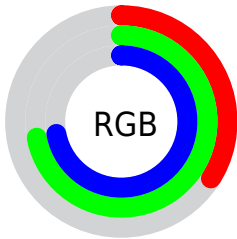
Format	Color
RYB	86, 135, 183
Decimal	5683127
CIELab	69.00, -28.30, -8.70
CIELCh	69, 29.603, 197.092
Yxy	39.3444, 0.2456, 0.3288
Android (android.graphics.Color)	4283873207 (0xFF56B7B7)
YUV	153.9970, 14.2985, -59.6334
Hunter-Lab	62.7251, -26.1513, -4.2344

Details

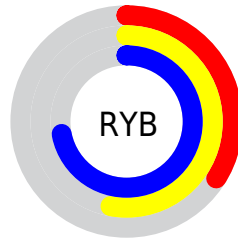
The CIELCh color **69, 29.603, 197.092** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **49, 43.534, 25.660**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 29.429, 197.515**, and **49, 29.747, 196.448** is the 20% darker color. If you saturate the color by 10%, you get **68, 33.103, 196.826**, and if you desaturate by 10%, it is **70, 25.311, 197.419**.

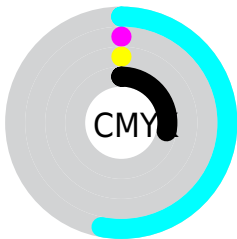
Distribution



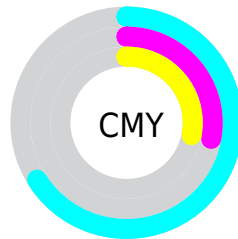
- Red (34%)
- Green (72%)
- Blue (72%)



- Red (34%)
- Yellow (53%)
- Blue (72%)



- Cyan (53%)
- Magenta (0%)
- Yellow (0%)
- Black (28%)





- Cyan (66%)
- Magenta (28%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 29.603, 197.092 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, 29.603, 197.092 by changing the saturation by 10% instead.


 69, 29.603,
197.092


 69, 29.603,
197.092


 100, 29.603,
197.092


 59, 29.603,
197.092


 89, 29.603,
197.092

 49, 29.603,
197.092

 99, 29.603,
197.092

 39, 29.603,
197.092

 29, 29.603,
197.092

 19, 29.603,
197.092

 9, 29.603, 197.092

 0, 29.603, 197.092

69, 29.603,
197.092

69, 29.603,
197.092

68, 33.103,
196.826

70, 25.311,
197.419

68, 35.769,
196.627

71, 20.303,
197.810

68, 37.602,
196.492

72, 14.676,
198.259

68, 38.657,
196.414

73, 8.537, 198.773

68, 39.088,
196.382

74, 1.993, 199.500

76, 4.857, 19.695

77, 11.925, 20.345

79, 19.134, 20.965

81, 26.425, 21.588

Harmonies

Complementary

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



69, 29.603, 197.092



49, 43.534, 25.660

Rectangle

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



69, 29.603, 197.092



69, 29.603, 247.092



69, 29.603, 17.092



69, 29.603, 67.092

Sweetspot

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



69, 29.603, 197.090



91, 12.889, 198.594



67, 62.697, 139.766



49, 8.719, 198.489



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, 29.603, 197.090



86, 40.940, 196.779



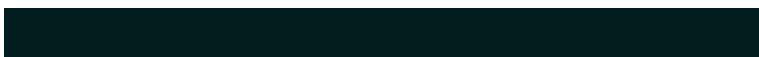
55, 29.915, 263.725



38, 3.777, 198.982



58, 34.644, 196.382



8, 10.518, 197.735

Inverse Universe

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



49, 43.534, 25.660



57, 66.593, 28.744



59, 35.460, 67.189



36, 4.004, 19.913



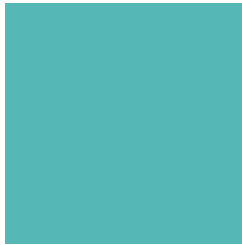
32, 71.869, 39.598



2, 10.638, 19.403

Previews

White Background



This preview shows how the CIE LCh color 69, 29.603, 197.092 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, 29.603, 197.092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

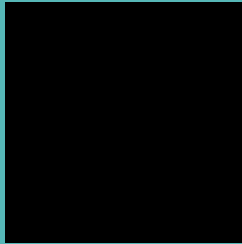
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

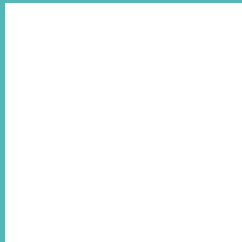
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 29.603, 197.092

Background



This preview shows how black text looks on a background with the CIELCh color 69, 29.603, 197.092.

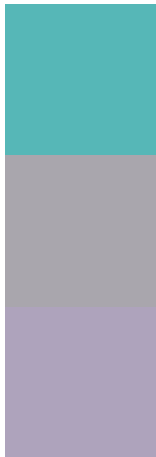


This preview shows how white text looks on a background with the CIELCh color 69, 29.603, 197.092.

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](#).

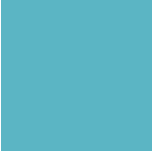
Dichromacy



Original Color
69, 29.603, 197.092

Protanopia
69, 4.031, 306.702

Deuteranopia
69, 14.393, 307.583



Tritanopia
69, 27.660, 214.958

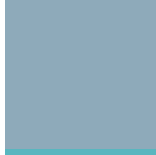
Trichromacy



Original Color
69, 29.603, 197.092



Protanomaly
68, 11.885, 211.972



Deuteranomaly
68, 12.880, 242.217



Tritanomaly
69, 28.173, 207.508

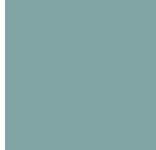
Monochromacy



Original Color
69, 29.603, 197.092



Achromatopsia
64, 0.008, 296.813



Achromatomaly
65, 12.869, 198.325

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 29.603, 197.092 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(86, 183, 183)` looks like.

```
.text, #text, p{  
    color:rgb(86, 183, 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(86, 183, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 183, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 29.603, 197.092 is called "border". The border property can be set on classes, ids or directly on the HTML element.

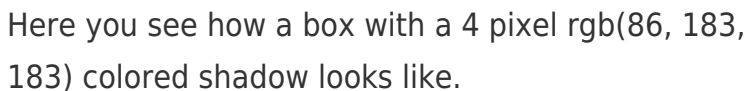
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(86, 183, 183) }
```

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

```
.border{ border-color:rgb(86, 183, 183) }
```

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



Here you see how a box with a 4 pixel `rgb(86, 183, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(86, 183, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(86, 183, 183); box-shadow:4px 4px 4px 4px rgb(86, 183, 183) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 29.603, 197.092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 183, 183) }
```

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

```
.background{ background-color: rgb(86, 183,  
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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