

Converting Colors

CIELCh(69, 17.001, 196.154)

Have a look what the booklet for
CIELCh(69, 17.001, 196.154)
contains.

CIELCh(69, 17.007, 196.169)	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, 17.007, 196.169)

Conversions

Conversions Part 1

Format	Color
Hex	80B1B0
RGB	128, 177, 176
RGB Percent	50%, 69%, 69%
CMY	0.4967, 0.3045, 0.3085
CMYK	0.28, 0.00, 0.01, 0.30
HSL	179°, 24%, 60%
HSV	179°, 28%, 70%
XYZ	32.6137, 39.3444, 47.1282
YIQ	162.2350, -28.8830, -10.6990

Conversions

Conversions Part 2

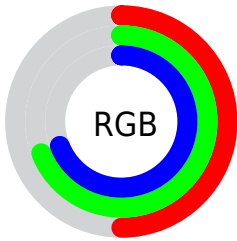
Format	Color
RYB	128, 153, 177
Decimal	8434096
CIELab	69.00, -16.33, -4.74
CIElCh	69, 17.007, 196.169
Yxy	39.3444, 0.2739, 0.3304
Android (android.graphics.Color)	4286624176 (0xFF80B1B0)
YUV	162.2350, 6.7861, -30.0241
Hunter-Lab	62.7251, -16.9585, -0.6397

Details

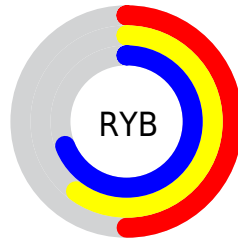
The CIELCh color **69, 17.007, 196.169** is a light color, and the websafe version is hex **669999**. A complement of this color would be **59, 20.313, 20.020**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 17.119, 196.535**, and **49, 16.717, 197.660** is the 20% darker color. If you saturate the color by 10%, you get **68, 22.277, 195.653**, and if you desaturate by 10%, it is **70, 11.206, 196.720**.

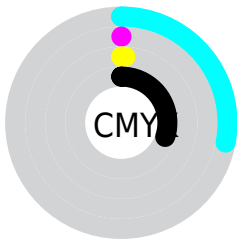
Distribution



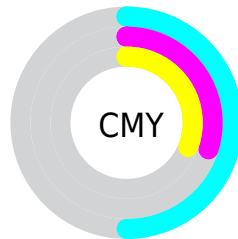
- Red (50%)
- Green (69%)
- Blue (69%)



- Red (50%)
- Yellow (60%)
- Blue (69%)



- Cyan (28%)
- Magenta (0%)
- Yellow (1%)
- Black (30%)





- Cyan (50%)
- Magenta (30%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 17.007, 196.169 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, 17.007, 196.169 by changing the saturation by 10% instead.


 69, 17.007,
196.169


 69, 17.007,
196.169


 100, 17.007,
196.169


 59, 17.007,
196.169


 89, 17.007,
196.169

 49, 17.007,
196.169

 99, 17.007,
196.169

 39, 17.007,
196.169

 29, 17.007,
196.169

 19, 17.007,
196.169

 9, 17.007, 196.169

 0, 17.007, 196.169

69, 17.007,
196.169

69, 17.007,
196.169

68, 22.277,
195.653

70, 11.206,
196.720

67, 26.912,
195.184

71, 4.978, 197.348

73, 1.576, 17.525

67, 30.823,
194.755

74, 8.365, 18.401

66, 33.946,
194.365

76, 15.312, 19.059

66, 36.254,
194.010

78, 22.352, 19.709

79, 29.433, 20.358

66, 37.767,
193.683

80, 30.422, 20.144

65, 38.598,
193.372

80, 30.403, 19.787

65, 38.760,

193.300

Harmonies

Complementary

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



69, 17.007, 196.169



59, 20.313, 20.020

Rectangle

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



69, 17.007, 196.169



69, 17.007, 246.169



69, 17.007, 16.169



69, 17.007, 66.169

Sweetspot

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



69, 17.008, 196.165



90, 6.425, 197.312



68, 32.528, 141.778



47, 4.546, 197.212



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



69, 17.008, 196.165



86, 24.495, 195.857



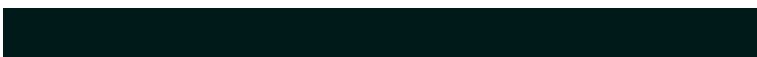
63, 15.370, 255.799



37, 3.698, 197.231



57, 34.755, 193.335



7, 9.162, 196.636

Inverse Universe

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



59, 20.313, 20.020



71, 30.538, 20.768



64, 16.825, 68.486



35, 3.910, 18.253



31, 70.166, 38.706



2, 9.161, 18.088

Previews

White Background



This preview shows how the CIELCh color 69, 17.007, 196.169 looks on a white background.

Color Contrast Check

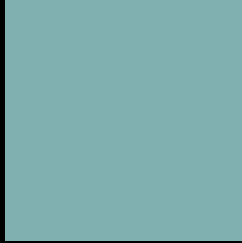
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 69, 17.007, 196.169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

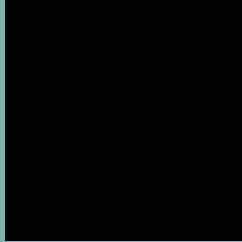
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 17.007, 196.169

Background



This preview shows how black text looks on a background with the CIELCh color 69, 17.007, 196.169.

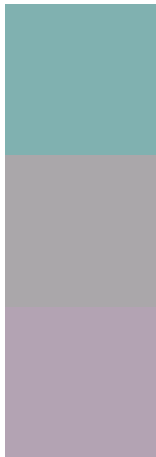


This preview shows how white text looks on a background with the CIELCh color 69, 17.007, 196.169.

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, 17.007, 196.169

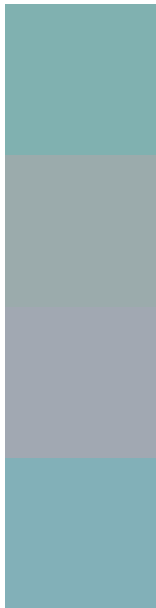
Protanopia
69, 2.016, 324.424

Deuteranopia
69, 10.677, 324.903



Tritanopia
69, 16.417, 226.493

Trichromacy



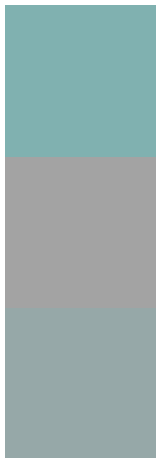
Original Color
69, 17.007, 196.169

Protanomaly
69, 5.887, 204.362

Deuteranomaly
69, 6.016, 265.638

Tritanomaly
69, 16.112, 214.158

Monochromacy



Original Color
69, 17.007, 196.169

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 6.623, 198.907

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 17.007, 196.169 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(128, 177, 176)` looks like.

```
.text, #text, p{  
    color:rgb(128, 177, 176)  
}
```

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(128, 177, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 177, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 17.007, 196.169 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(128, 177, 176) }
```

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

```
.border{ border-color:rgb(128, 177, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 177, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 177, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 177, 176);  
box-shadow:4px 4px 4px 4px rgb(128, 177,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 17.007, 196.169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 177, 176) }
```

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

```
.background{ background-color: rgb(128,  
177, 176) }
```

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