

Converting Colors

CIELCh(69, 16.595, 196.375)

Have a look what the booklet for
CIELCh(69, 16.595, 196.375)
contains.

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Color

CIELCh(69, 16.695, 196.160)

Conversions

Conversions Part 1

Format	Color
Hex	81B1B0
RGB	129, 177, 176
RGB Percent	51%, 69%, 69%
CMY	0.4934, 0.3051, 0.3090
CMYK	0.27, 0.00, 0.01, 0.31
HSL	179°, 24%, 60%
HSV	179°, 27%, 69%
XYZ	32.6973, 39.3444, 47.0447
YIQ	162.5340, -28.2870, -10.4870

Conversions

Conversions Part 2

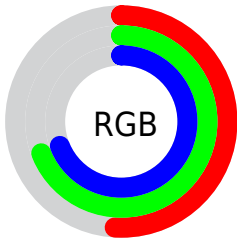
Format	Color
RYB	129, 153, 177
Decimal	8499632
CIELab	69.00, -16.04, -4.65
CIElCh	69, 16.695, 196.160
Yxy	39.3444, 0.2746, 0.3304
Android (android.graphics.Color)	4286689712 (0xFF81B1B0)
YUV	162.5340, 6.6387, -29.4093
Hunter-Lab	62.7251, -16.7205, -0.5607

Details

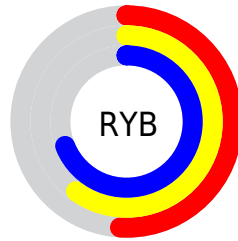
The CIELCh color **69, 16.695, 196.160** is a light color, and the websafe version is hex **669999**. A complement of this color would be **59, 19.861, 19.924**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 16.808, 196.524**, and **49, 16.416, 197.692** is the 20% darker color. If you saturate the color by 10%, you get **68, 21.994, 195.640**, and if you desaturate by 10%, it is **70, 10.872, 196.715**.

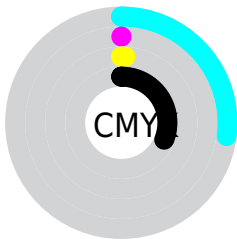
Distribution



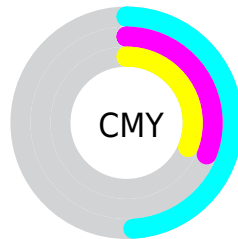
- Red (51%)
- Green (69%)
- Blue (69%)



- Red (51%)
- Yellow (60%)
- Blue (69%)



- Cyan (27%)
- Magenta (0%)
- Yellow (1%)
- Black (31%)





- Cyan (49%)
- Magenta (31%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 16.695, 196.160 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, 16.695, 196.160 by changing the saturation by 10% instead.


 69, 16.695,
196.160


 69, 16.695,
196.160


 100, 16.695,
196.160


 59, 16.695,
196.160


 89, 16.695,
196.160

 49, 16.695,
196.160

 99, 16.695,
196.160

 39, 16.695,
196.160

 29, 16.695,
196.160

 19, 16.695,
196.160

 9, 16.695, 196.160

 0, 16.695, 196.160

69, 16.695,
196.160

69, 16.695,
196.160

68, 21.994,
195.640

70, 10.872,
196.715

67, 26.664,
195.166

71, 4.627, 197.352

73, 1.938, 17.583

67, 30.615,
194.733

74, 8.733, 18.403

66, 33.782,
194.338

76, 15.681, 19.061

66, 36.135,
193.978

78, 22.719, 19.712

79, 29.795, 20.361

66, 37.691,
193.645

80, 30.485, 20.100

65, 38.549,
193.328

80, 30.466, 19.737

65, 38.748,

Harmonies

Complementary

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



69, 16.695, 196.160



59, 19.861, 19.924

Rectangle

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



69, 16.695, 196.160



69, 16.695, 246.160



69, 16.695, 16.160



69, 16.695, 66.160

Sweetspot

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



69, 16.696, 196.156



90, 6.425, 197.277



68, 31.870, 141.820



47, 4.546, 197.176



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, 16.696, 196.156



86, 24.498, 195.818



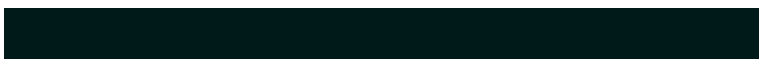
63, 15.066, 255.699



37, 3.698, 197.195



57, 34.767, 193.274



7, 9.163, 196.586

Inverse Universe

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



59, 19.861, 19.924



71, 30.536, 20.737



64, 16.460, 68.550



35, 3.910, 18.219



31, 70.150, 38.690



2, 9.161, 18.061

Previews

White Background



This preview shows how the CIELCh color 69, 16.695, 196.160 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, 16.695, 196.160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

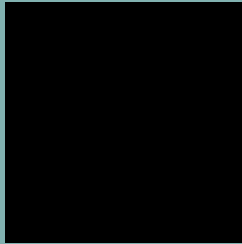
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 16.695, 196.160

Background



This preview shows how black text looks on a background with the CIELCh color 69, 16.695, 196.160.

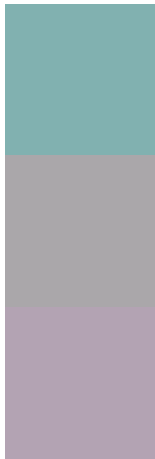


This preview shows how white text looks on a background with the CIELCh color 69, 16.695, 196.160.

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, 16.695, 196.160

Protanopia
69, 2.016, 324.424

Deuteranopia
69, 10.677, 324.903



Tritanopia
69, 16.149, 227.019

Trichromacy



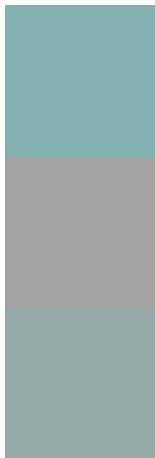
Original Color
69, 16.695, 196.160

Protanomaly
69, 5.887, 204.362

Deuteranomaly
69, 6.016, 265.638

Tritanomaly
69, 15.816, 214.484

Monochromacy



Original Color
69, 16.695, 196.160

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 6.264, 198.941

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 16.695, 196.160 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(129, 177, 176)` looks like.

```
.text, #text, p{  
    color:rgb(129, 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(129, 177, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 177, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 16.695, 196.160 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(129, 177, 176) }
```

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

```
.border{ border-color:rgb(129, 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(129, 177, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 177, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 177, 176);  
box-shadow:4px 4px 4px 4px rgb(129, 177,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 16.695, 196.160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 177, 176) }
```

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

```
.background{ background-color: rgb(129,  
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](#).

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