

Converting Colors

CIELCh(69, 17.176, 198.237)

Have a look what the booklet for
CIELCh(69, 17.176, 198.237)
contains.

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Color

CIELCh(69, 16.935, 198.045)

Conversions

Conversions Part 1

Format	Color
Hex	80B1B1
RGB	128, 177, 177
RGB Percent	50%, 69%, 69%
CMY	0.4970, 0.3048, 0.3048
CMYK	0.28, 0.00, 0.00, 0.30
HSL	180°, 24%, 60%
HSV	180°, 28%, 70%
XYZ	32.6787, 39.3444, 47.6063
YIQ	162.3490, -29.2040, -10.3880

Conversions

Conversions Part 2

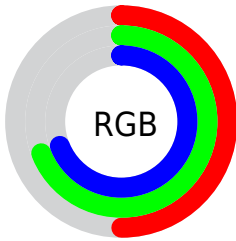
Format	Color
RYB	128, 153, 177
Decimal	8434097
CIELab	69.00, -16.10, -5.25
CIELCh	69, 16.935, 198.045
Yxy	39.3444, 0.2732, 0.3289
Android (android.graphics.Color)	4286624177 (0xFF80B1B1)
YUV	162.3490, 7.2229, -30.1241
Hunter-Lab	62.7251, -16.7736, -1.0916

Details

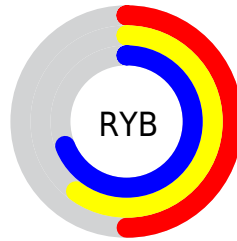
The CIELCh color **69, 16.935, 198.045** is a light color, and the websafe version is hex **669999**. A complement of this color would be **58, 20.372, 21.587**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 17.061, 198.297**, and **49, 16.717, 197.660** is the 20% darker color. If you saturate the color by 10%, you get **68, 22.149, 197.619**, and if you desaturate by 10%, it is **70, 11.176, 198.522**.

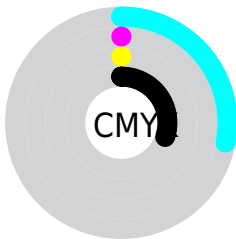
Distribution



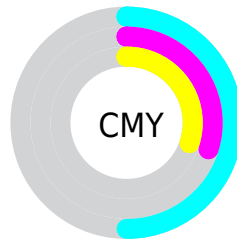
- Red (50%)
- Green (69%)
- Blue (69%)



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



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 16.935, 198.045 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, 16.935, 198.045 by changing the saturation by 10% instead.


 69, 16.935,
198.045


 69, 16.935,
198.045


 100, 16.935,
198.045


 59, 16.935,
198.045


 89, 16.935,
198.045

 49, 16.935,
198.045

 99, 16.935,
198.045

 39, 16.935,
198.045

 29, 16.935,
198.045

 19, 16.935,
198.045

 9, 16.935, 198.045

 0, 16.935, 198.045

69, 16.935,
198.045

69, 16.935,
198.045

68, 22.149,
197.619

70, 11.176,
198.522

67, 26.716,
197.257

71, 4.975, 199.088

73, 1.567, 19.210

67, 30.551,
196.958

74, 8.358, 20.045

66, 33.592,
196.724

76, 15.321, 20.668

66, 35.818,
196.554

77, 22.389, 21.288

79, 29.510, 21.911

66, 37.252,
196.445

80, 30.575, 22.003

66, 38.008,
196.388

80, 30.575, 22.002

66, 38.152,

Harmonies

Complementary

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



69, 16.935, 198.045



58, 20.372, 21.587

Rectangle

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



69, 16.935, 198.045



69, 16.935, 248.045



69, 16.935, 18.045



69, 16.935, 68.045

Sweetspot

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



69, 16.935, 198.041



90, 6.414, 199.056



68, 32.705, 142.180



47, 4.537, 198.964



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, 16.935, 198.041



86, 24.371, 197.784



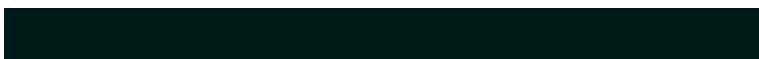
62, 15.601, 257.731



37, 3.691, 198.981



57, 34.228, 196.377



7, 9.138, 199.094

Inverse Universe

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



58, 20.372, 21.587



71, 30.652, 22.307



64, 16.944, 70.270



35, 3.911, 19.907



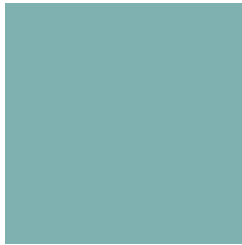
31, 70.928, 39.524



2, 9.156, 19.401

Previews

White Background



This preview shows how the CIELCh color 69, 16.935, 198.045 looks on a white background.

Color Contrast Check

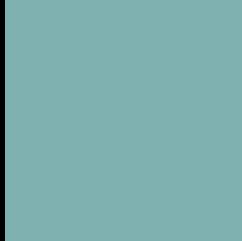
Large Text (above 18pt) WCAG AA × Fail

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, 16.935, 198.045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

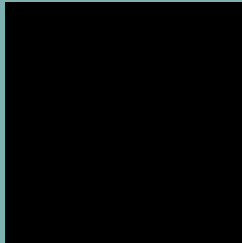
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

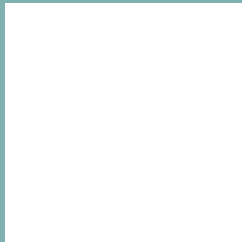
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 16.935, 198.045

Background



This preview shows how black text looks on a background with the CIELCh color 69, 16.935, 198.045.

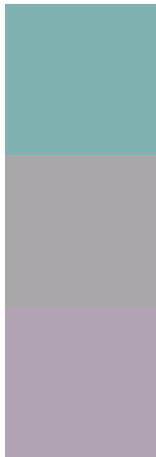


This preview shows how white text looks on a background with the CIELCh color 69, 16.935, 198.045.

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, 16.935, 198.045

Protanopia
69, 2.489, 317.323

Deuteranopia
69, 10.937, 321.639



Tritanopia
69, 16.417, 226.493

Trichromacy



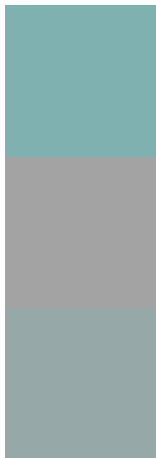
Original Color
69, 16.935, 198.045

Protanomaly
69, 5.937, 209.694

Deuteranomaly
69, 6.656, 264.913

Tritanomaly
69, 16.208, 216.117

Monochromacy



Original Color
69, 16.935, 198.045

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, 16.935, 198.045 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, 177)` looks like.

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

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, 177) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 69, 16.935, 198.045 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, 177) }
```

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

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

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, 177)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 69, 16.935, 198.045 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, 177) }
```

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

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

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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