

Converting Colors

CIELCh(69, 16.755, 200.626)

Have a look what the booklet for
CIELCh(69, 16.755, 200.626)
contains.

CIELCh(69, 16.880, 199.935)	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, 16.880, 199.935)

Conversions

Conversions Part 1

Format	Color
Hex	80B1B2
RGB	128, 177, 178
RGB Percent	50%, 69%, 70%
CMY	0.4973, 0.3051, 0.3012
CMYK	0.28, 0.01, 0.00, 0.30
HSL	181°, 25%, 60%
HSV	181°, 28%, 70%
XYZ	32.7441, 39.3444, 48.0872
YIQ	162.4630, -29.5250, -10.0770

Conversions

Conversions Part 2

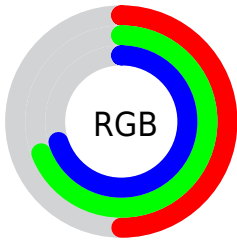
Format	Color
RYB	128, 153, 178
Decimal	8434098
CIELab	69.00, -15.87, -5.76
CIELCh	69, 16.880, 199.935
Yxy	39.3444, 0.2725, 0.3274
Android (android.graphics.Color)	4286624178 (0xFF80B1B2)
YUV	162.4630, 7.6597, -30.2241
Hunter-Lab	62.7251, -16.5875, -1.5462

Details

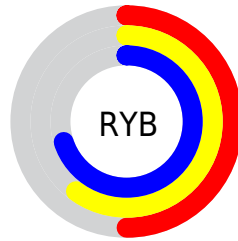
The CIELCh color **69, 16.880, 199.935** is a light color, and the websafe version is hex **669999**. A complement of this color would be **59, 20.414, 23.129**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 17.019, 200.070**, and **49, 16.935, 199.655** is the 20% darker color. If you saturate the color by 10%, you get **68, 21.976, 199.607**, and if you desaturate by 10%, it is **70, 11.240, 200.327**.

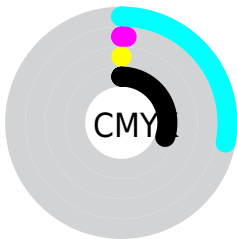
Distribution



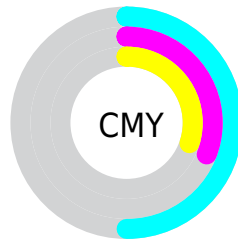
- Red (50%)
- Green (69%)
- Blue (70%)



- Red (50%)
- Yellow (60%)
- Blue (70%)



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 16.880, 199.935 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, 16.880, 199.935 by changing the saturation by 10% instead.


 69, 16.880,
199.935


 69, 16.880,
199.935


 100, 16.880,
199.935


 59, 16.880,
199.935


 89, 16.880,
199.935

 49, 16.880,
199.935

 99, 16.880,
199.935

 39, 16.880,
199.935

 29, 16.880,
199.935

 19, 16.880,
199.935

 9, 16.880, 199.935

 0, 16.880, 199.935

69, 16.880,
199.935

69, 16.880,
199.935

68, 21.976,
199.607

70, 11.240,
200.327

67, 26.427,
199.360

71, 5.157, 200.816

73, 1.268, 20.797

66, 30.147,
199.198

75, 7.948, 21.647

66, 33.073,
199.127

76, 14.803, 22.217

65, 35.181,
199.154

78, 21.771, 22.785

80, 28.800, 23.359

65, 36.496,
199.279

80, 29.512, 23.733

65, 37.140,
199.492

80, 29.388, 24.083

65, 37.240,

Harmonies

Complementary

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



69, 16.880, 199.935



59, 20.414, 23.129

Rectangle

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



69, 16.880, 199.935



69, 16.880, 249.935



69, 16.880, 19.935



69, 16.880, 69.935

Sweetspot

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



69, 16.880, 199.931



91, 6.342, 200.812



68, 33.140, 142.978



48, 4.526, 200.729



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



69, 16.880, 199.931



87, 24.703, 199.711



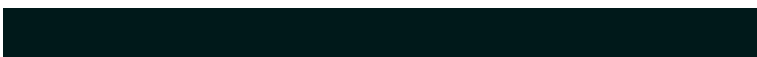
62, 16.422, 261.506



37, 3.616, 200.746



56, 33.292, 199.498



7, 8.860, 201.749

Inverse Universe

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



60, 33.072, 326.495



73, 49.495, 326.840



65, 17.578, 73.700



35, 6.660, 325.462



36, 77.722, 329.028



3, 15.927, 325.264

Previews

White Background



This preview shows how the CIE LCh color 69, 16.880, 199.935 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, 16.880, 199.935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

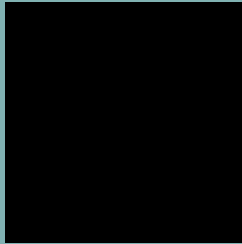
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

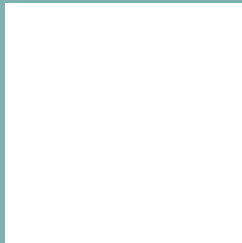
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 16.880, 199.935

Background



This preview shows how black text looks on a background with the CIELCh color 69, 16.880, 199.935.

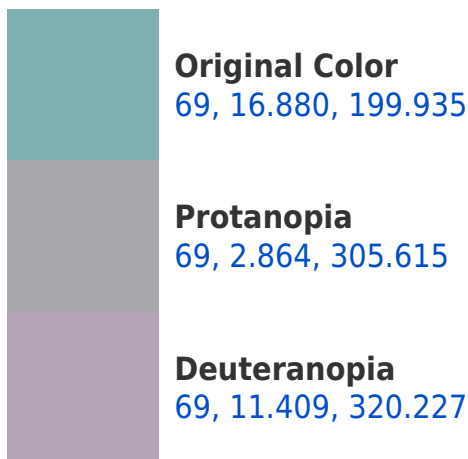


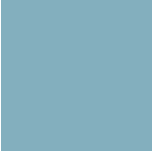
This preview shows how white text looks on a background with the CIELCh color 69, 16.880, 199.935.

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





Tritanopia
69, 16.624, 228.302

Trichromacy



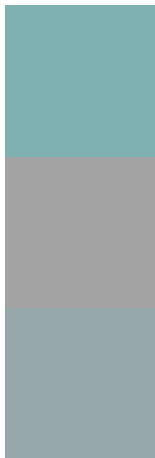
Original Color
69, 16.880, 199.935

Protanomaly
69, 6.379, 213.993

Deuteranomaly
69, 7.150, 266.941

Tritanomaly
69, 16.322, 218.051

Monochromacy



Original Color
69, 16.880, 199.935

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 6.617, 203.710

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 16.880, 199.935 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(128, 177, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 177, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 16.880, 199.935 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, 178) }
```

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

```
.border{ border-color:rgb(128, 177, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 177, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 177, 178);  
box-shadow:4px 4px 4px 4px rgb(128, 177,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 16.880, 199.935 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, 178) }
```

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

```
.background{ background-color: rgb(128,  
177, 178) }
```

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