

Converting Colors

CIELCh(68, 16.905, 198.377)

Have a look what the booklet for
CIELCh(68, 16.905, 198.377)
contains.

CIELCh(68, 16.952, 198.032)	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(68, 16.952, 198.032)

Conversions

Conversions Part 1

Format	Color
Hex	7EAFAF
RGB	126, 175, 175
RGB Percent	49%, 69%, 69%
CMY	0.5075, 0.3154, 0.3154
CMYK	0.28, 0.00, 0.00, 0.32
HSL	180°, 23%, 59%
HSV	180°, 28%, 68%
XYZ	31.4823, 37.9720, 46.0040
YIQ	160.3490, -29.2040, -10.3880

Conversions

Conversions Part 2

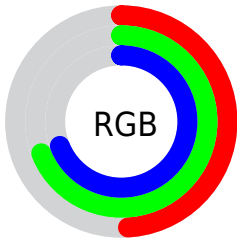
Format	Color
RYB	126, 151, 175
Decimal	8302511
CIELab	68.00, -16.12, -5.25
CIELCh	68, 16.952, 198.032
Yxy	37.9720, 0.2727, 0.3289
Android (android.graphics.Color)	4286492591 (0xFF7EAF AF)
YUV	160.3490, 7.2229, -30.1241
Hunter-Lab	61.6215, -16.6421, -1.1284

Details

The CIELCh color **68, 16.952, 198.032** is a light color, and the websafe version is hex **669999**. A complement of this color would be **57, 20.451, 21.634**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 17.137, 196.524**, and **48, 16.647, 199.705** is the 20% darker color. If you saturate the color by 10%, you get **67, 22.079, 197.609**, and if you desaturate by 10%, it is **69, 11.284, 198.506**.

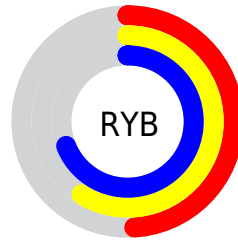
Distribution



Red (49%)

Green (69%)

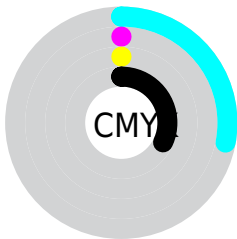
Blue (69%)



Red (49%)

Yellow (59%)

Blue (69%)

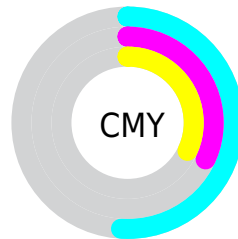


Cyan (28%)

Magenta (0%)

Yellow (0%)

Black (32%)



Cyan (51%)


Magenta (32%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 16.952, 198.032 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 68, 16.952, 198.032 by changing the saturation by 10% instead.


 68, 16.952,
198.032


 68, 16.952,
198.032


 100, 16.952,
198.032


 58, 16.952,
198.032


 88, 16.952,
198.032

 48, 16.952,
198.032

 98, 16.952,
198.032

 38, 16.952,
198.032

 28, 16.952,
198.032

 18, 16.952,
198.032

 8, 16.952, 198.032

 0, 16.952, 198.032

68, 16.952,
198.032

68, 16.952,
198.032

67, 22.079,
197.609

69, 11.284,
198.506

66, 26.563,
197.250

70, 5.176, 199.065

72, 1.273, 19.120

66, 30.323,
196.954

73, 7.971, 20.022

65, 33.299,
196.723

75, 14.841, 20.644

65, 35.470,
196.556

76, 21.818, 21.263

78, 28.849, 21.885

65, 36.862,
196.449

79, 31.764, 22.143

65, 37.600,
196.393

79, 31.764, 22.143

65, 37.719,

Harmonies

Complementary

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



68, 16.952, 198.032



57, 20.451, 21.634

Rectangle

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



68, 16.952, 198.032



68, 16.952, 248.032



68, 16.952, 18.032



68, 16.952, 68.032

Sweetspot

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



68, 16.952, 198.028



89, 6.356, 199.060



67, 32.783, 142.149



47, 4.537, 198.968



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



68, 16.952, 198.028



85, 24.780, 197.748



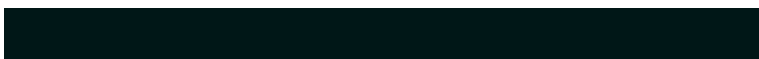
61, 15.634, 257.803



36, 3.603, 198.988



56, 33.808, 196.384



6, 7.801, 199.420

Inverse Universe

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



57, 20.451, 21.634



70, 31.407, 22.443



63, 17.002, 70.224



34, 3.818, 19.908



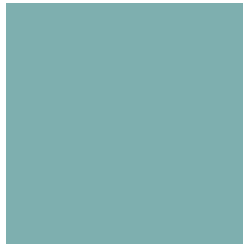
31, 69.982, 39.446



2, 7.802, 19.404

Previews

White Background



This preview shows how the CIELCh color 68, 16.952, 198.032 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 68, 16.952, 198.032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

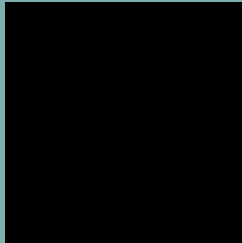
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

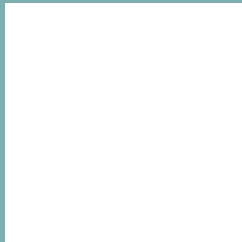
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 16.952, 198.032

Background



This preview shows how black text looks on a background with the CIELCh color 68, 16.952, 198.032.



This preview shows how white text looks on a background with the CIELCh color 68, 16.952, 198.032.

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
68, 16.952, 198.032

Protanopia
68, 2.497, 317.325

Deuteranopia
68, 11.632, 321.861



Tritanopia
68, 16.700, 226.017

Trichromacy



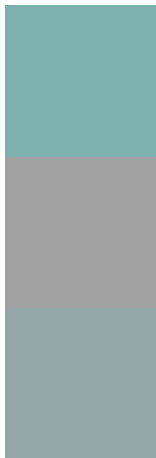
Original Color
68, 16.952, 198.032

Protanomaly
68, 5.954, 209.691

Deuteranomaly
68, 7.043, 269.668

Tritanomaly
68, 16.420, 213.855

Monochromacy



Original Color
68, 16.952, 198.032

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 6.642, 198.896

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 16.952, 198.032 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(126, 175, 175)` looks like.

```
.text, #text, p{  
    color:rgb(126, 175, 175)  
}
```

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(126, 175, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 175, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 16.952, 198.032 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(126, 175, 175) }
```

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

```
.border{ border-color:rgb(126, 175, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 175, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 175, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 175, 175);  
box-shadow:4px 4px 4px 4px rgb(126, 175,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 16.952, 198.032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 175, 175) }
```

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

```
.background{ background-color: rgb(126,  
175, 175) }
```

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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