

Converting Colors

CIELCh(68, 18.705, 211.095)

Have a look what the booklet for
CIELCh(68, 18.705, 211.095)
contains.

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Color

CIELCh(68, 18.669, 209.990)

Conversions

Conversions Part 1

Format	Color
Hex	78AFB6
RGB	120, 175, 182
RGB Percent	47%, 69%, 71%
CMY	0.5298, 0.3142, 0.2867
CMYK	0.34, 0.04, 0.00, 0.29
HSL	187°, 30%, 59%
HSV	187°, 34%, 71%
XYZ	31.4687, 37.9720, 49.8631
YIQ	159.3530, -35.0270, -9.4830

Conversions

Conversions Part 2

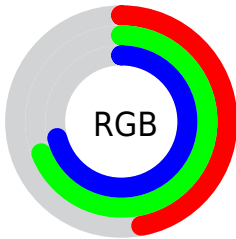
Format	Color
R _Y B	120, 149, 182
Decimal	7909302
CIE Lab	68.00, -16.17, -9.33
CIE LCh	68, 18.669, 209.990
Yxy	37.9720, 0.2638, 0.3183
Android (android.graphics.Color)	4286099382 (0xFF78AFB6)
YUV	159.3530, 11.1650, -34.5126
Hunter-Lab	61.6215, -16.6817, -4.8415

Details

The CIELCh color **68, 18.669, 209.990** is a light color, and the websafe version is hex **669999**. A complement of this color would be **58, 23.834, 31.231**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 18.874, 209.469**, and **48, 18.481, 210.616** is the 20% darker color. If you saturate the color by 10%, you get **67, 23.061, 210.295**, and if you desaturate by 10%, it is **70, 13.708, 209.843**.

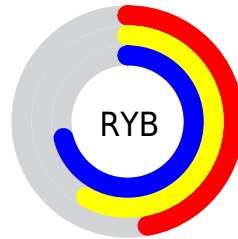
Distribution



Red (47%)

Green (69%)

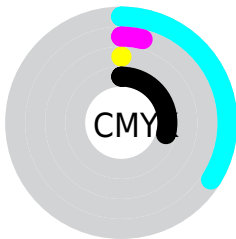
Blue (71%)



Red (47%)

Yellow (58%)

Blue (71%)

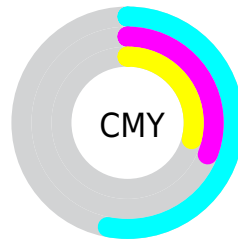


Cyan (34%)

Magenta (4%)

Yellow (0%)

Black (29%)



Cyan (53%)

Magenta (31%)

Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 18.669, 209.990 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, 18.669, 209.990 by changing the saturation by 10% instead.


 68, 18.669,
209.990


 68, 18.669,
209.990


 100, 18.669,
209.990


 58, 18.669,
209.990


 88, 18.669,
209.990

 48, 18.669,
209.990

 98, 18.669,
209.990

 38, 18.669,
209.990

 28, 18.669,
209.990

 18, 18.669,
209.990

 8, 18.669, 209.990

 0, 18.669, 209.990

68, 18.669,
209.990

68, 18.669,
209.990

67, 23.061,
210.295

70, 13.708,
209.843

65, 26.793,
210.802

71, 8.274, 209.843

73, 2.463, 210.068

64, 29.787,
211.548

75, 3.642, 29.872

63, 31.997,
212.576

77, 9.965, 30.181

62, 33.422,
213.931

79, 16.445, 30.466

82, 23.030, 30.772

61, 34.117,
215.652

83, 25.550, 32.359

61, 34.328,
216.786

83, 25.029, 34.983

Harmonies

Complementary

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



68, 18.669, 209.990



58, 23.834, 31.231

Rectangle

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



68, 18.669, 209.990



68, 18.669, 259.990



68, 18.669, 29.990



68, 18.669, 79.990

Sweetspot

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



68, 18.669, 209.986



91, 7.368, 209.885



69, 38.563, 144.754



49, 5.048, 209.866



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



68, 18.669, 209.986



85, 26.923, 210.205



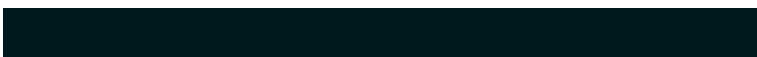
59, 22.265, 270.950



38, 3.398, 209.899



52, 30.610, 216.508



7, 9.006, 214.732

Inverse Universe

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



58, 38.240, 329.654



71, 56.637, 330.103



66, 23.138, 80.981



36, 6.395, 328.178



36, 73.208, 333.230



3, 16.772, 329.539

Previews

White Background



This preview shows how the CIELCh color 68, 18.669, 209.990 looks on a white background.

Color Contrast Check

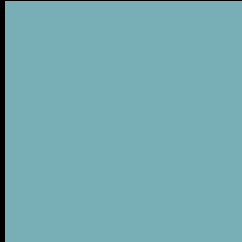
Large Text (above 18pt) WCAG AA × Fail

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, 18.669, 209.990 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, 18.669, 209.990

Background



This preview shows how black text looks on a background with the CIELCh color 68, 18.669, 209.990.

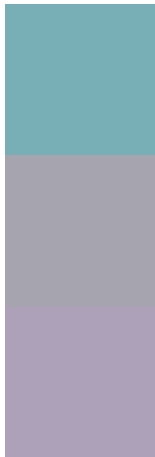


This preview shows how white text looks on a background with the CIELCh color 68, 18.669, 209.990.

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, 18.669, 209.990

Protanopia
68, 6.088, 294.284

Deuteranopia
68, 13.898, 308.205



Tritanopia
68, 18.812, 222.525

Trichromacy



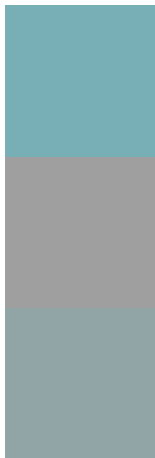
Original Color
68, 18.669, 209.990

Protanomaly
68, 8.638, 238.791

Deuteranomaly
68, 10.831, 266.012

Tritanomaly
68, 18.531, 219.164

Monochromacy



Original Color
68, 18.669, 209.990

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 7.375, 207.508

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 18.669, 209.990 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(120, 175, 182)` looks like.

```
.text, #text, p{  
    color:rgb(120, 175, 182)  
}
```

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(120, 175, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 175, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 18.669, 209.990 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(120, 175, 182) }
```

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

```
.border{ border-color:rgb(120, 175, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 175, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 175, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 175, 182);  
box-shadow:4px 4px 4px 4px rgb(120, 175,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 18.669, 209.990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 175, 182) }
```

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

```
.background{ background-color: rgb(120,  
175, 182) }
```

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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