

Converting Colors

CIELCh(68, 18.166, 216.734)

Have a look what the booklet for
CIELCh(68, 18.166, 216.734)
contains.

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Color

CIELCh(68, 18.139, 217.774)

Conversions

Conversions Part 1

Format	Color
Hex	7AAEB9
RGB	122, 174, 185
RGB Percent	48%, 68%, 73%
CMY	0.5211, 0.3172, 0.2740
CMYK	0.34, 0.06, 0.00, 0.27
HSL	190°, 31%, 60%
HSV	190°, 34%, 73%
XYZ	31.9713, 37.9720, 51.6097
YIQ	159.7060, -34.5230, -7.6030

Conversions

Conversions Part 2

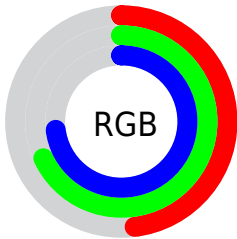
Format	Color
RYB	122, 150, 185
Decimal	8040121
CIELab	68.00, -14.34, -11.11
CIElCh	68, 18.139, 217.774
Yxy	37.9720, 0.2630, 0.3124
Android (android.graphics.Color)	4286230201 (0xFF7AAEB9)
YUV	159.7060, 12.4699, -33.0682
Hunter-Lab	61.6215, -15.2258, -6.5220

Details

The CIELCh color **68, 18.139, 217.774** is a light color, and the websafe version is hex **669999**. A complement of this color would be **60, 23.085, 36.828**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 18.323, 216.716**, and **48, 18.152, 216.837** is the 20% darker color. If you saturate the color by 10%, you get **66, 22.453, 218.539**, and if you desaturate by 10%, it is **70, 13.292, 217.237**.

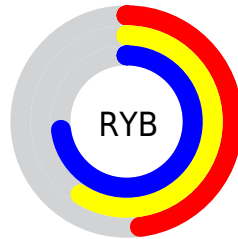
Distribution



Red (48%)

Green (68%)

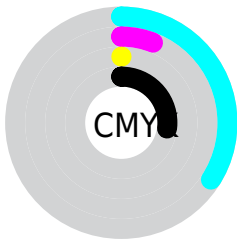
Blue (73%)



Red (48%)

Yellow (59%)

Blue (73%)

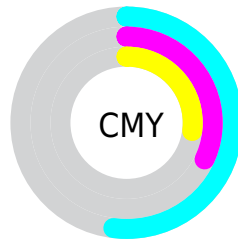


Cyan (34%)

Magenta (6%)

Yellow (0%)

Black (27%)



Cyan (52%)


Magenta (32%)

Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 18.139, 217.774 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, 18.139, 217.774 by changing the saturation by 10% instead.

 68, 18.139,
217.774


 68, 18.139,
217.774


 100, 18.139,
217.774


 58, 18.139,
217.774


 88, 18.139,
217.774

 48, 18.139,
217.774

 98, 18.139,
217.774

 38, 18.139,
217.774

 28, 18.139,
217.774

 18, 18.139,
217.774

 8, 18.139, 217.774

 0, 18.139, 217.774

68, 18.139,
217.774

68, 18.139,
217.774

66, 22.453,
218.539

70, 13.292,
217.237

64, 26.149,
219.598

72, 8.004, 216.903

74, 2.360, 216.842

63, 29.155,
221.013

77, 3.561, 36.374

61, 31.431,
222.856

79, 9.691, 36.448

60, 32.985,
225.200

81, 15.974, 36.518

84, 22.363, 36.626

59, 33.887,
228.104

85, 22.971, 40.486

58, 34.258,
230.013

86, 22.468, 45.375

Harmonies

Complementary

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



68, 18.139, 217.774



60, 23.085, 36.828

Rectangle

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



68, 18.139, 217.774



68, 18.139, 267.774



68, 18.139, 37.774



68, 18.139, 87.774

Sweetspot

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



68, 18.139, 217.770



92, 7.110, 216.828



70, 37.243, 146.794



48, 4.830, 216.851



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, 18.139, 217.770



84, 26.080, 218.333



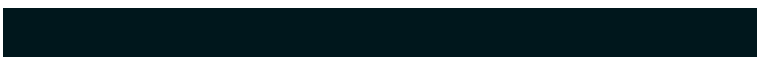
59, 24.492, 276.503



38, 3.250, 216.817



49, 30.114, 229.509



6, 8.613, 225.067

Inverse Universe

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



59, 37.133, 331.775



72, 54.786, 332.279



68, 24.665, 86.760



36, 6.123, 330.190



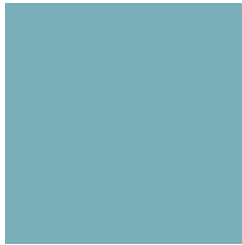
35, 69.849, 336.517



3, 15.769, 332.598

Previews

White Background



This preview shows how the CIE LCh color 68, 18.139, 217.774 looks on a white background.

Color Contrast Check

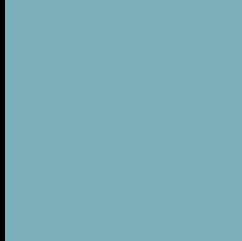
Large Text (above 18pt) WCAG AA × Fail

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, 18.139, 217.774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

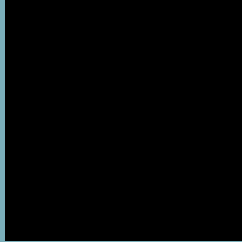
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 18.139, 217.774

Background



This preview shows how black text looks on a background with the CIELCh color 68, 18.139, 217.774.

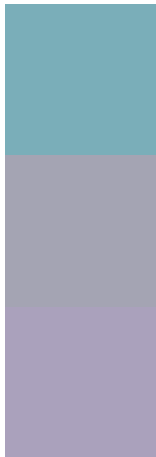


This preview shows how white text looks on a background with the CIELCh color 68, 18.139, 217.774.

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, 18.139, 217.774

Protanopia

68, 8.276, 291.029

Deuteranopia

68, 15.312, 303.869



Tritanopia
68, 18.287, 223.308

Trichromacy



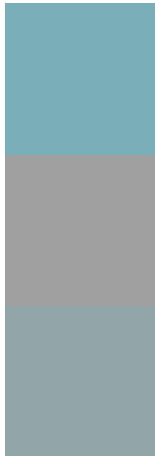
Original Color
68, 18.139, 217.774

Protanomaly
68, 9.702, 246.831

Deuteranomaly
68, 12.330, 269.595

Tritanomaly
68, 18.130, 221.601

Monochromacy



Original Color
68, 18.139, 217.774

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 7.220, 216.811

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 18.139, 217.774 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(122, 174, 185)` looks like.

```
.text, #text, p{  
    color:rgb(122, 174, 185)  
}
```

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(122, 174, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 174, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 18.139, 217.774 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(122, 174, 185) }
```

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

```
.border{ border-color:rgb(122, 174, 185) }
```

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

Here you see how a box with a 4 pixel rgb(122, 174, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 174, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 174, 185);  
box-shadow:4px 4px 4px 4px rgb(122, 174,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 18.139, 217.774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 174, 185) }
```

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

```
.background{ background-color: rgb(122,  
174, 185) }
```

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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