

Converting Colors

CIELCh(69, 10.647, 198.358)

Have a look what the booklet for
CIELCh(69, 10.647, 198.358)
contains.

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Color

CIELCh(69, 10.769, 198.550)

Conversions

Conversions Part 1

Format	Color
Hex	90AEAE
RGB	144, 174, 174
RGB Percent	56%, 68%, 68%
CMY	0.4346, 0.3170, 0.3170
CMYK	0.17, 0.00, 0.00, 0.32
HSL	180°, 16%, 62%
HSV	180°, 17%, 68%
XYZ	34.3558, 39.3444, 45.9145
YIQ	165.0300, -17.8800, -6.3600

Conversions

Conversions Part 2

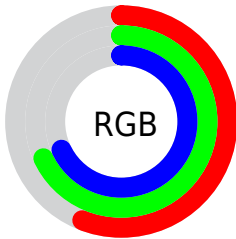
Format	Color
RYB	144, 159, 174
Decimal	9481902
CIELab	69.00, -10.21, -3.43
CIElCh	69, 10.769, 198.550
Yxy	39.3444, 0.2872, 0.3289
Android (android.graphics.Color)	4287671982 (0xFF90AEAE)
YUV	165.0300, 4.4222, -18.4433
Hunter-Lab	62.7251, -12.0010, 0.5075

Details

The CIELCh color $69, 10.769, 198.550$ is a light color, and the websafe version is hex 669999 . A complement of this color would be $63, 12.025, 20.550$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $89, 11.046, 195.992$, and $49, 10.905, 198.262$ is the 20% darker color. If you saturate the color by 10%, you get $68, 16.469, 198.060$, and if you desaturate by 10%, it is $70, 4.641, 199.114$.

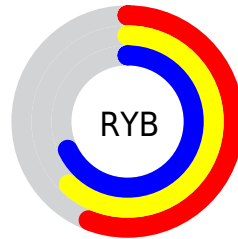
Distribution



Red (56%)

Green (68%)

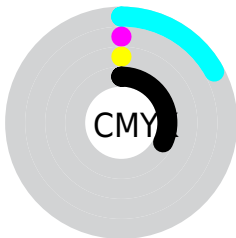
Blue (68%)



Red (56%)

Yellow (62%)

Blue (68%)

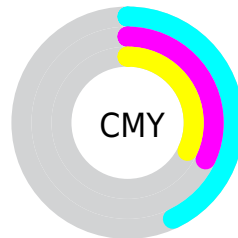


Cyan (17%)

Magenta (0%)

Yellow (0%)

Black (32%)



Cyan (43%)


Magenta (32%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 10.769, 198.550 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, 10.769, 198.550 by changing the saturation by 10% instead.


 69, 10.769,
198.550


 69, 10.769,
198.550


 100, 10.769,
198.550


 59, 10.769,
198.550


 89, 10.769,
198.550

 49, 10.769,
198.550

 99, 10.769,
198.550

 39, 10.769,
198.550

 29, 10.769,
198.550

 19, 10.769,
198.550

 9, 10.769, 198.550

 0, 10.769, 198.550

69, 10.769,
198.550

69, 10.769,
198.550

68, 16.469,
198.060

70, 4.641, 199.114

67, 21.635,
197.635

72, 1.820, 19.280

73, 8.523, 20.069

66, 26.169,
197.271

75, 15.392, 20.690

66, 29.986,
196.969

76, 22.362, 21.309

78, 29.382, 21.932

65, 33.024,
196.732

79, 31.937, 22.157

65, 35.259,
196.559

79, 31.937, 22.156

79, 31.937, 22.154

65, 36.712,
196.447

65, 37.487,

196.387

■ 64, 37.658,
196.374

Harmonies

Complementary

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



69, 10.769, 198.550



63, 12.025, 20.550

Rectangle

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



69, 10.769, 198.550



69, 10.769, 248.550



69, 10.769, 18.550



69, 10.769, 68.550

Sweetspot

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



69, 10.770, 198.543



89, 4.001, 199.273



68, 20.070, 142.968



48, 2.747, 199.218



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, 10.770, 198.543



87, 16.072, 198.335



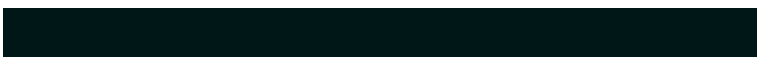
65, 9.661, 255.955



36, 3.603, 198.982



56, 33.810, 196.374



6, 7.801, 199.412

Inverse Universe

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



63, 12.025, 20.550



77, 18.471, 20.929



66, 10.141, 71.517



34, 3.818, 19.903



31, 69.979, 39.443



2, 7.802, 19.399

Previews

White Background



This preview shows how the CIELCh color 69, 10.769, 198.550 looks on a white background.

Color Contrast Check

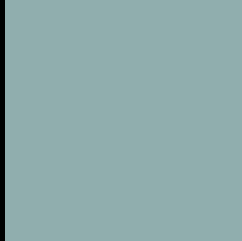
Large Text (above 18pt) WCAG AA × Fail

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, 10.769, 198.550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

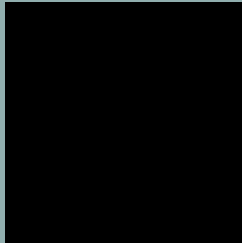
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

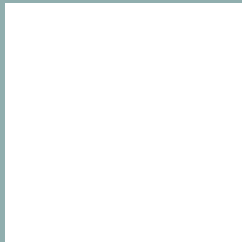
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 10.769, 198.550

Background



This preview shows how black text looks on a background with the CIELCh color 69, 10.769, 198.550.

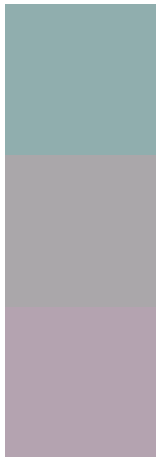


This preview shows how white text looks on a background with the CIELCh color 69, 10.769, 198.550.

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, 10.769, 198.550

Protanopia
69, 2.016, 324.424

Deuteranopia
69, 9.621, 332.361



Tritanopia
69, 11.707, 240.121

Trichromacy



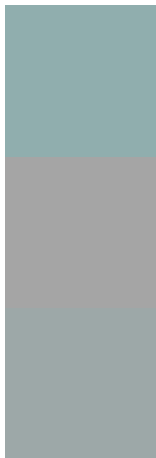
Original Color
69, 10.769, 198.550

Protanomaly
69, 3.490, 217.641

Deuteranomaly
69, 4.403, 290.636

Tritanomaly
69, 10.894, 225.825

Monochromacy



Original Color
69, 10.769, 198.550

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 4.089, 199.170

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 10.769, 198.550 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(144, 174, 174)` looks like.

```
.text, #text, p{  
    color:rgb(144, 174, 174)  
}
```

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(144, 174, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 174, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 10.769, 198.550 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(144, 174, 174) }
```

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

```
.border{ border-color:rgb(144, 174, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 174, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 174, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 174, 174);  
box-shadow:4px 4px 4px 4px rgb(144, 174,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 10.769, 198.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 174, 174) }
```

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

```
.background{ background-color: rgb(144,  
174, 174) }
```

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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