

Converting Colors

CIELCh(63, 14.948, 195.948)

Have a look what the booklet for
CIELCh(63, 14.948, 195.948)
contains.

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Color

CIELCh(63, 14.948, 195.948)

Conversions

Conversions Part 1

Format	Color
Hex	76A09F
RGB	118, 160, 159
RGB Percent	46%, 63%, 62%
CMY	0.5365, 0.3717, 0.3757
CMYK	0.26, 0.00, 0.01, 0.37
HSL	179°, 18%, 55%
HSV	179°, 26%, 63%
XYZ	26.3790, 31.5869, 37.5988
YIQ	147.3280, -24.7110, -9.2150

Conversions

Conversions Part 2

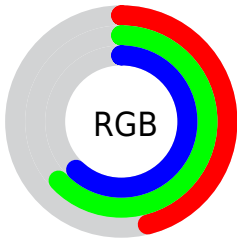
Format	Color
RYB	118, 139, 160
Decimal	7774367
CIELab	63.00, -14.37, -4.11
CIELCh	63, 14.948, 195.948
Yxy	31.5869, 0.2760, 0.3305
Android (android.graphics.Color)	4285964447 (0xFF76A09F)
YUV	147.3280, 5.7543, -25.7207
Hunter-Lab	56.2022, -14.5733, -0.3229

Details

The CIELCh color $63, 14.948, 195.948$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $54, 17.631, 19.572$, and the grayscale version is $61, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 15.076, 196.343$, and $43, 14.668, 197.716$ is the 20% darker color. If you saturate the color by 10%, you get $62, 19.895, 195.415$, and if you desaturate by 10%, it is $64, 9.534, 196.514$.

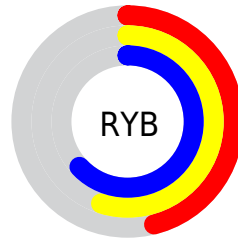
Distribution



Red (46%)

Green (63%)

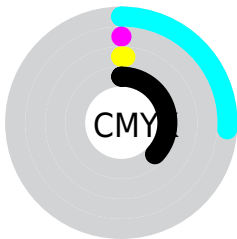
Blue (62%)



Red (46%)

Yellow (55%)

Blue (63%)

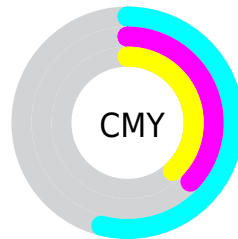


Cyan (26%)

Magenta (0%)

Yellow (1%)

Black (37%)



Cyan (54%)

Magenta (37%)


Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 14.948, 195.948 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 63, 14.948, 195.948 by changing the saturation by 10% instead.

 63, 14.948,
195.948


 63, 14.948,
195.948


 100, 14.948,
195.948

 53, 14.948,
195.948


 83, 14.948,
195.948

 43, 14.948,
195.948

 93, 14.948,
195.948

 33, 14.948,
195.948

 23, 14.948,
195.948

 13, 14.948,
195.948

 3, 14.948, 195.948

 0, 14.948, 195.948

63, 14.948,
195.948

63, 14.948,
195.948

62, 19.895,
195.415

64, 9.534, 196.514

61, 24.279,
194.926

65, 3.747, 197.170

66, 2.323, 17.448

61, 28.017,
194.473

68, 8.596, 18.216

60, 31.045,
194.056

69, 15.001, 18.872

71, 21.483, 19.522

60, 33.330,
193.669

73, 27.997, 20.169

60, 34.882,
193.305

75, 34.506, 20.813

76, 37.991, 21.018

60, 35.778,
192.955

60, 36.051,

Harmonies

Complementary

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



63, 14.948, 195.948



54, 17.631, 19.572

Rectangle

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



63, 14.948, 195.948



63, 14.948, 245.948



63, 14.948, 15.948



63, 14.948, 65.948

Sweetspot

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



63, 14.949, 195.944



83, 5.960, 197.027



62, 28.413, 141.904



43, 4.213, 196.928



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



63, 14.949, 195.944



80, 21.538, 195.655



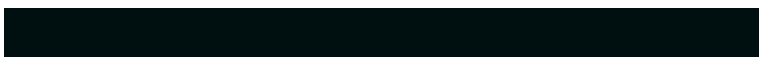
57, 13.445, 255.504



33, 3.346, 196.952



53, 33.133, 192.860



3, 4.479, 196.956

Inverse Universe

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



54, 17.631, 19.572



66, 26.384, 20.218



59, 14.631, 68.675



31, 3.534, 17.965



29, 66.274, 38.212



1, 4.477, 17.520

Previews

White Background



This preview shows how the CIELCh color 63, 14.948, 195.948 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 CIE LCh color 63, 14.948, 195.948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

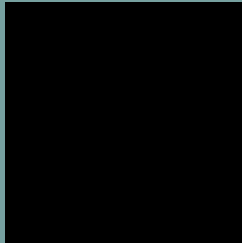
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

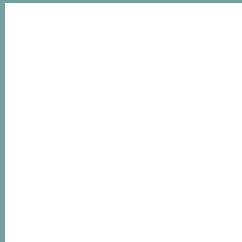
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 14.948, 195.948

Background



This preview shows how black text looks on a background with the CIELCh color 63, 14.948, 195.948.

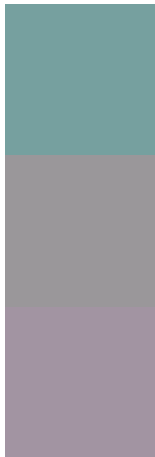


This preview shows how white text looks on a background with the CIELCh color 63, 14.948, 195.948.

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
63, 14.948, 195.948

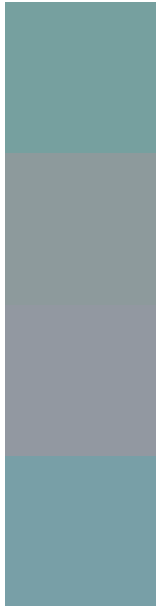
Protanopia
63, 2.053, 324.443

Deuteranopia
63, 9.514, 324.882



Tritanopia
63, 14.452, 228.871

Trichromacy



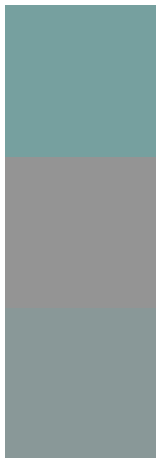
Original Color
63, 14.948, 195.948

Protanomaly
63, 4.967, 212.122

Deuteranomaly
63, 5.472, 266.680

Tritanomaly
63, 14.154, 216.864

Monochromacy



Original Color
63, 14.948, 195.948

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 5.635, 198.961

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 14.948, 195.948 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(118, 160, 159)` looks like.

```
.text, #text, p{  
    color:rgb(118, 160, 159)  
}
```

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(118, 160, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 160, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 14.948, 195.948 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(118, 160, 159) }
```

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

```
.border{ border-color:rgb(118, 160, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 160, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 160, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 160, 159);  
box-shadow:4px 4px 4px 4px rgb(118, 160,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 14.948, 195.948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 160, 159) }
```

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

```
.background{ background-color: rgb(118,  
160, 159) }
```

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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