

Converting Colors

CIELCh(63, 13.472, 198.281)

Have a look what the booklet for
CIELCh(63, 13.472, 198.281)
contains.

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Color

CIELCh(63, 13.256, 198.259)

Conversions

Conversions Part 1

Format	Color
Hex	7A9F9F
RGB	122, 159, 159
RGB Percent	48%, 62%, 62%
CMY	0.5203, 0.3752, 0.3752
CMYK	0.23, 0.00, 0.00, 0.38
HSL	180°, 16%, 55%
HSV	180°, 23%, 62%
XYZ	26.8143, 31.5869, 37.6359
YIQ	147.9370, -22.0520, -7.8440

Conversions

Conversions Part 2

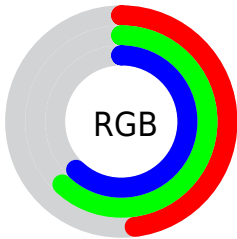
Format	Color
RYB	122, 141, 159
Decimal	8036255
CIELab	63.00, -12.59, -4.15
CIElCh	63, 13.256, 198.259
Yxy	31.5869, 0.2792, 0.3289
Android (android.graphics.Color)	4286226335 (0xFF7A9F9F)
YUV	147.9370, 5.4541, -22.7467
Hunter-Lab	56.2022, -13.1909, -0.3620

Details

The CIELCh color **63, 13.256, 198.259** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **55, 15.420, 21.097**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 13.420, 198.486**, and **43, 13.394, 197.863** is the 20% darker color. If you saturate the color by 10%, you get **62, 18.280, 197.808**, and if you desaturate by 10%, it is **64, 7.780, 198.761**.

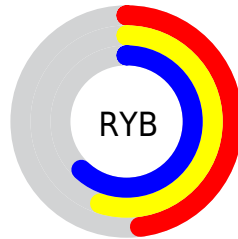
Distribution



Red (48%)

Green (62%)

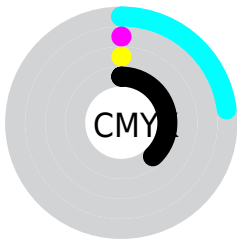
Blue (62%)



Red (48%)

Yellow (55%)

Blue (62%)

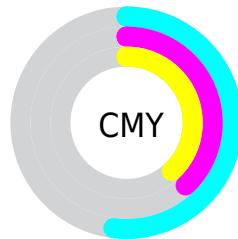


Cyan (23%)

Magenta (0%)

Yellow (0%)

Black (38%)



Cyan (52%)


Magenta (38%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 13.256, 198.259 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, 13.256, 198.259 by changing the saturation by 10% instead.


 63, 13.256,
198.259


 63, 13.256,
198.259


 100, 13.256,
198.259


 53, 13.256,
198.259


 83, 13.256,
198.259

 43, 13.256,
198.259

 93, 13.256,
198.259

 33, 13.256,
198.259

 23, 13.256,
198.259

 13, 13.256,
198.259

 3, 13.256, 198.259

 0, 13.256, 198.259

63, 13.256,
198.259

63, 13.256,
198.259

62, 18.280,
197.808

64, 7.780, 198.761

61, 22.758,
197.421

65, 1.945, 199.463

61, 26.605,
197.094

67, 4.163, 19.666

60, 29.755,
196.830

69, 16.895, 20.927

60, 32.167,
196.630

71, 23.400, 21.543

60, 33.843,
196.492

73, 29.935, 22.161

59, 34.828,
196.411

75, 36.467, 22.779

59, 35.263,

75, 38.596, 22.979

Harmonies

Complementary

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



63, 13.256, 198.259



55, 15.420, 21.097

Rectangle

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



63, 13.256, 198.259



63, 13.256, 248.259



63, 13.256, 18.259



63, 13.256, 68.259

Sweetspot

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



63, 13.257, 198.254



82, 5.165, 199.125



62, 25.195, 142.543



44, 3.378, 199.089



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, 13.257, 198.254



79, 19.377, 198.011



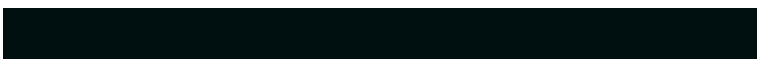
58, 12.061, 256.905



33, 3.339, 198.990



54, 32.545, 196.375



3, 4.473, 199.414

Inverse Universe

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



55, 15.420, 21.097



67, 23.421, 21.660



60, 12.901, 70.823



31, 3.535, 19.894



29, 67.089, 39.158



1, 4.473, 19.399

Previews

White Background



This preview shows how the CIELCh color 63, 13.256, 198.259 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, 13.256, 198.259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

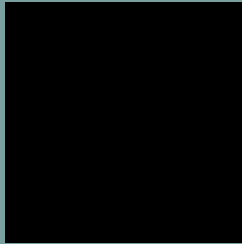
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 13.256, 198.259

Background



This preview shows how black text looks on a background with the CIELCh color 63, 13.256, 198.259.

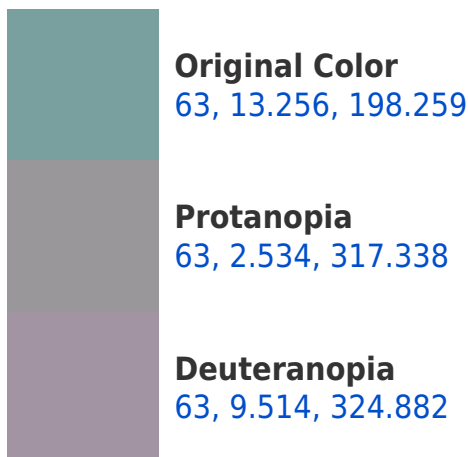


This preview shows how white text looks on a background with the CIELCh color 63, 13.256, 198.259.

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





Tritanopia
63, 13.123, 229.486

Trichromacy



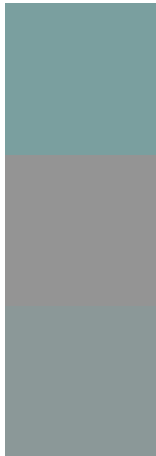
Original Color
63, 13.256, 198.259

Protanomaly
63, 4.755, 219.838

Deuteranomaly
63, 5.229, 274.163

Tritanomaly
63, 12.649, 219.299

Monochromacy



Original Color
63, 13.256, 198.259

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 4.899, 199.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 13.256, 198.259 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, 159, 159)` looks like.

```
.text, #text, p{  
    color:rgb(122, 159, 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(122, 159, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 159, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 13.256, 198.259 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, 159, 159) }
```

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

```
.border{ border-color:rgb(122, 159, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 159, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 159, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 159, 159);  
box-shadow:4px 4px 4px 4px rgb(122, 159,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 13.256, 198.259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 159, 159) }
```

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

```
.background{ background-color: rgb(122,  
159, 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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