

Converting Colors

CIELCh(64, 11.664, 198.627)

Have a look what the booklet for
CIELCh(64, 11.664, 198.627)
contains.

CIELCh(64, 11.563, 198.422)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(64, 11.563, 198.422)

Conversions

Conversions Part 1

Format	Color
Hex	81A1A1
RGB	129, 161, 161
RGB Percent	51%, 63%, 63%
CMY	0.4935, 0.3680, 0.3680
CMYK	0.20, 0.00, 0.00, 0.37
HSL	180°, 15%, 57%
HSV	180°, 20%, 63%
XYZ	28.2950, 32.8017, 38.6298
YIQ	151.4320, -19.0720, -6.7840

Conversions

Conversions Part 2

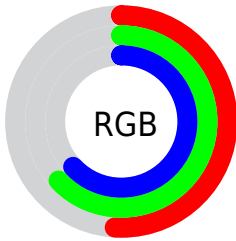
Format	Color
R _Y B	129, 145, 161
Decimal	8495521
CIE Lab	64.00, -10.97, -3.65
CIE LCh	64, 11.563, 198.422
Yxy	32.8017, 0.2837, 0.3289
Android (android.graphics.Color)	4286685601 (0xFF81A1A1)
YUV	151.4320, 4.7170, -19.6729
Hunter-Lab	57.2727, -12.0411, 0.1005

Details

The CIELCh color `64, 11.563, 198.422` is a light color, and the websafe version is hex `669999`. A complement of this color would be `57, 13.138, 20.776`, and the grayscale version is `63, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 11.766, 198.615`, and `44, 11.327, 201.181` is the 20% darker color. If you saturate the color by 10%, you get `63, 16.798, 197.950`, and if you desaturate by 10%, it is `65, 5.904, 198.952`.

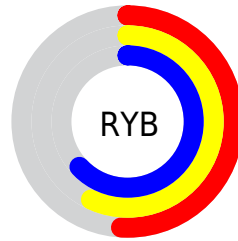
Distribution



Red (51%)

Green (63%)

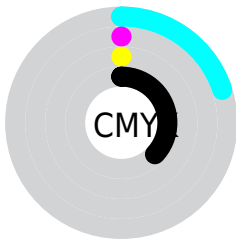
Blue (63%)



Red (51%)

Yellow (57%)

Blue (63%)

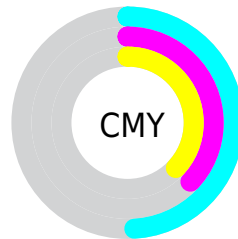


Cyan (20%)

Magenta (0%)

Yellow (0%)

Black (37%)



Cyan (49%)


Magenta (37%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 11.563, 198.422 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 64, 11.563, 198.422 by changing the saturation by 10% instead.


 64, 11.563,
198.422


 64, 11.563,
198.422


 100, 11.563,
198.422


 54, 11.563,
198.422


 84, 11.563,
198.422

 44, 11.563,
198.422

 94, 11.563,
198.422

 34, 11.563,
198.422

 24, 11.563,
198.422

 14, 11.563,
198.422

 4, 11.563, 198.422

 0, 11.563, 198.422

64, 11.563,
198.422

64, 11.563,
198.422

63, 16.798,
197.950

65, 5.904, 198.952

62, 21.511,
197.543

66, 0.088, 14.047

62, 25.615,
197.195

68, 6.326, 19.897

61, 29.033,
196.910

71, 19.259, 21.135

61, 31.717,
196.689

72, 25.839, 21.753

60, 33.651,
196.530

74, 32.438, 22.372

60, 34.866,
196.431

76, 37.767, 22.871

60, 35.550,

76, 37.767, 22.870

196.375

■ 60, 35.559,
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.



64, 11.563, 198.422



57, 13.138, 20.776

Rectangle

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



64, 11.563, 198.422



64, 11.563, 248.422



64, 11.563, 18.422



64, 11.563, 68.422

Sweetspot

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



64, 11.564, 198.416



83, 4.482, 199.196



63, 21.731, 142.790



44, 2.963, 199.153



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



64, 11.564, 198.416



81, 17.019, 198.195



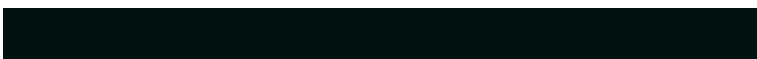
60, 10.434, 256.351



34, 3.428, 198.987



54, 32.968, 196.374



4, 5.463, 199.413

Inverse Universe

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



57, 13.138, 20.776



70, 19.973, 21.222



61, 11.041, 71.219



32, 3.629, 19.897



30, 68.060, 39.261



1, 5.464, 19.399

Previews

White Background



This preview shows how the CIELCh color 64, 11.563, 198.422 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 64, 11.563, 198.422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

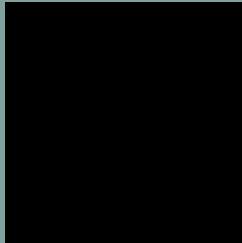
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 11.563, 198.422

Background



This preview shows how black text looks on a background with the CIELCh color 64, 11.563, 198.422.

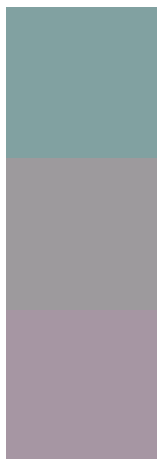


This preview shows how white text looks on a background with the CIELCh color 64, 11.563, 198.422.

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

64, 11.563, 198.422

Protanopia

64, 2.045, 324.439

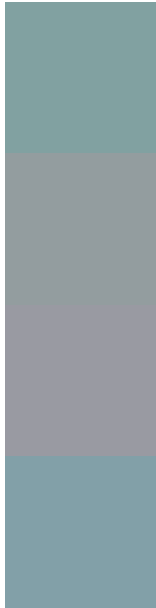
Deuteranopia

64, 9.510, 330.650



Tritanopia
64, 12.027, 236.012

Trichromacy



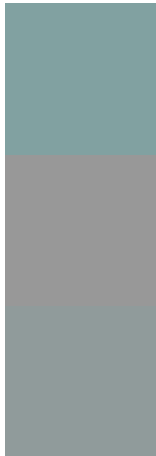
Original Color
64, 11.563, 198.422

Protanomaly
64, 3.888, 215.888

Deuteranomaly
64, 4.478, 285.870

Tritanomaly
64, 11.411, 221.721

Monochromacy



Original Color
64, 11.563, 198.422

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 4.145, 199.135

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 11.563, 198.422 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(129, 161, 161)` looks like.

```
.text, #text, p{  
    color:rgb(129, 161, 161)  
}
```

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(129, 161, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 161, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 11.563, 198.422 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(129, 161, 161) }
```

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

```
.border{ border-color:rgb(129, 161, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 161, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 161, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 161, 161);  
box-shadow:4px 4px 4px 4px rgb(129, 161,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 11.563, 198.422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 161, 161) }
```

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

```
.background{ background-color: rgb(129,  
161, 161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor