

Converting Colors

CIELCh(64, 13.558, 198.248)

Have a look what the booklet for
CIELCh(64, 13.558, 198.248)
contains.

CIELCh(64, 13.558, 198.248)	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, 13.558, 198.248)

Conversions

Conversions Part 1

Format	Color
Hex	7CA2A2
RGB	124, 162, 162
RGB Percent	49%, 64%, 64%
CMY	0.5132, 0.3641, 0.3641
CMYK	0.23, 0.00, 0.00, 0.36
HSL	180°, 17%, 56%
HSV	180°, 23%, 64%
XYZ	27.8133, 32.8017, 39.1159
YIQ	150.6380, -22.6480, -8.0560

Conversions

Conversions Part 2

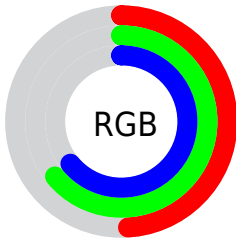
Format	Color
RYB	124, 143, 162
Decimal	8168098
CIELab	64.00, -12.88, -4.25
CIELCh	64, 13.558, 198.248
Yxy	32.8017, 0.2789, 0.3289
Android (android.graphics.Color)	4286358178 (0xFF7CA2A2)
YUV	150.6380, 5.6015, -23.3615
Hunter-Lab	57.2727, -13.5427, -0.4027

Details

The CIELCh color **64, 13.558, 198.248** is a light color, and the websafe version is hex **669999**. A complement of this color would be **56, 15.798, 21.121**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 13.718, 198.475**, and **44, 13.378, 197.885** is the 20% darker color. If you saturate the color by 10%, you get **63, 18.642, 197.798**, and if you desaturate by 10%, it is **65, 8.013, 198.749**.

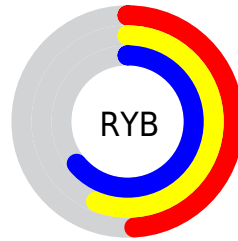
Distribution



Red (49%)

Green (64%)

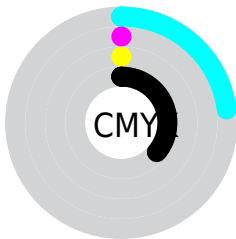
Blue (64%)



Red (49%)

Yellow (56%)

Blue (64%)

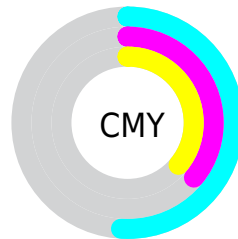


Cyan (23%)

Magenta (0%)

Yellow (0%)

Black (36%)



Cyan (51%)

Magenta (36%)

Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 13.558, 198.248 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, 13.558, 198.248 by changing the saturation by 10% instead.

 64, 13.558,
198.248

 64, 13.558,
198.248


 100, 13.558,
198.248


 54, 13.558,
198.248


 84, 13.558,
198.248

 44, 13.558,
198.248

 94, 13.558,
198.248

 34, 13.558,
198.248

 24, 13.558,
198.248

 14, 13.558,
198.248

 4, 13.558, 198.248

 0, 13.558, 198.248

64, 13.558,
198.248

64, 13.558,
198.248

63, 18.642,
197.798

65, 8.013, 198.749

62, 23.168,
197.412

66, 2.101, 199.437

62, 27.052,
197.086

68, 4.090, 19.652

61, 30.225,
196.824

69, 10.479, 20.302

61, 32.649,
196.626

71, 17.000, 20.917

61, 34.325,
196.489

72, 23.598, 21.534

60, 35.302,
196.410

74, 30.227, 22.153

60, 35.720,

76, 36.853, 22.771

76, 37.317, 22.814

Harmonies

Complementary

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



64, 13.558, 198.248



56, 15.798, 21.121

Rectangle

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



64, 13.558, 198.248



64, 13.558, 248.248



64, 13.558, 18.248



64, 13.558, 68.248

Sweetspot

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



64, 13.559, 198.243



84, 5.268, 199.125



63, 25.791, 142.524



45, 3.446, 199.088



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



64, 13.559, 198.243



81, 19.762, 198.009



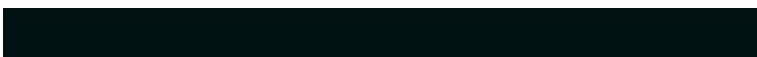
59, 12.344, 256.947



34, 3.428, 198.988



54, 32.968, 196.376



4, 5.463, 199.414

Inverse Universe

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



56, 15.798, 21.121



69, 23.894, 21.665



60, 13.214, 70.794



32, 3.629, 19.898



30, 68.061, 39.262



1, 5.464, 19.400

Previews

White Background



This preview shows how the CIELCh color 64, 13.558, 198.248 looks on a white background.

Color Contrast Check

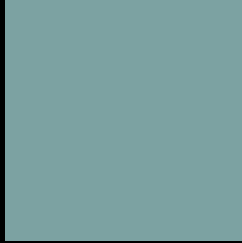
Large Text (above 18pt) WCAG AA × Fail

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 64, 13.558, 198.248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

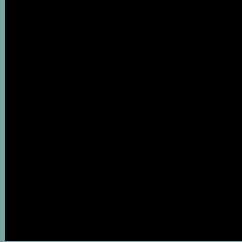
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

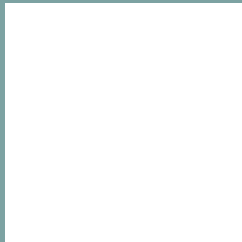
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 13.558, 198.248

Background



This preview shows how black text looks on a background with the CIELCh color 64, 13.558, 198.248.

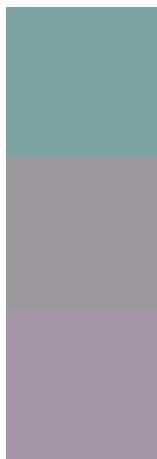


This preview shows how white text looks on a background with the CIELCh color 64, 13.558, 198.248.

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, 13.558, 198.248

Protanopia

64, 2.045, 324.439

Deuteranopia

64, 10.162, 324.909



Tritanopia
64, 13.622, 230.916

Trichromacy



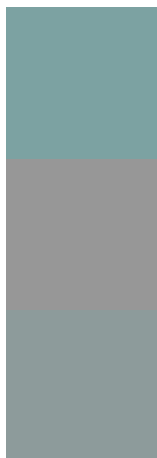
Original Color
64, 13.558, 198.248

Protanomaly
64, 4.597, 213.186

Deuteranomaly
64, 5.753, 275.833

Tritanomaly
64, 13.233, 218.235

Monochromacy



Original Color
64, 13.558, 198.248

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 5.251, 199.011

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 13.558, 198.248 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(124, 162, 162)` looks like.

```
.text, #text, p{  
    color:rgb(124, 162, 162)  
}
```

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(124, 162, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 162, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 13.558, 198.248 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(124, 162, 162) }
```

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

```
.border{ border-color:rgb(124, 162, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 162, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 162, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 162, 162);  
box-shadow:4px 4px 4px 4px rgb(124, 162,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 13.558, 198.248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 162, 162) }
```

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

```
.background{ background-color: rgb(124,  
162, 162) }
```

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