

Converting Colors

CIELCh(64, 13.069, 165.004)

Have a look what the booklet for
CIELCh(64, 13.069, 165.004)
contains.

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Color

CIELCh(64, 13.198, 164.980)

Conversions

Conversions Part 1

Format	Color
Hex	85A295
RGB	133, 162, 149
RGB Percent	52%, 64%, 58%
CMY	0.4800, 0.3664, 0.4173
CMYK	0.18, 0.00, 0.08, 0.37
HSL	153°, 13%, 58%
HSV	153°, 18%, 63%
XYZ	27.8457, 32.8017, 33.1238
YIQ	151.8470, -13.1110, -10.1910

Conversions

Conversions Part 2

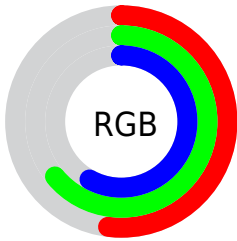
Format	Color
RYB	133, 152, 162
Decimal	8757909
CIELab	64.00, -12.75, 3.42
CIElCh	64, 13.198, 164.980
Yxy	32.8017, 0.2970, 0.3498
Android (android.graphics.Color)	4286947989 (0xFF85A295)
YUV	151.8470, -1.4036, -16.5288
Hunter-Lab	57.2727, -13.4415, 5.8004

Details

The CIELCh color **64, 13.198, 164.980** is a light color, and the websafe version is hex **669999**. A complement of this color would be **58, 13.575, 348.123**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 13.409, 165.110**, and **44, 13.101, 164.622** is the 20% darker color. If you saturate the color by 10%, you get **63, 20.426, 163.957**, and if you desaturate by 10%, it is **65, 5.853, 165.927**.

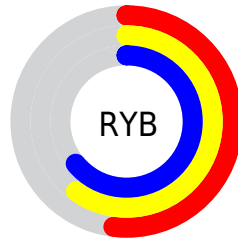
Distribution



Red (52%)

Green (64%)

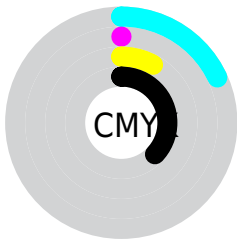
Blue (58%)



Red (52%)

Yellow (60%)

Blue (64%)

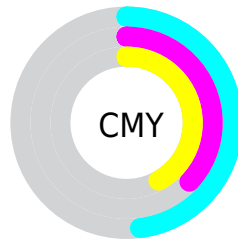


Cyan (18%)

Magenta (0%)

Yellow (8%)

Black (37%)



Cyan (48%)


Magenta (37%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 13.198, 164.980 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, 13.198, 164.980 by changing the saturation by 10% instead.

 64, 13.198,
164.980


 64, 13.198,
164.980


 100, 13.198,
164.980


 54, 13.198,
164.980


 84, 13.198,
164.980

 44, 13.198,
164.980

 94, 13.198,
164.980

 34, 13.198,
164.980

 24, 13.198,
164.980

 14, 13.198,
164.980

 4, 13.198, 164.980

 0, 13.198, 164.980

64, 13.198,
164.980

64, 13.198,
164.980

63, 20.426,
163.957

65, 5.853, 165.927

62, 27.427,
162.828

67, 1.522, 346.464

68, 8.855, 347.431

61, 34.085,
161.566

70, 16.091,
348.163

60, 40.280,
160.146

72, 23.190,
348.836

60, 45.905,
158.545

74, 30.125,
349.464

59, 50.880,
156.745


76, 36.879,
350.055


59, 55.173,
154.739

77, 41.412,
348.375

58, 58.865,

152.581

 77, 43.339,
343.961

 58, 59.603,
152.155

Harmonies

Complementary

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



64, 13.198, 164.980



58, 13.575, 348.123

Rectangle

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



64, 13.198, 164.980



64, 13.198, 214.980



64, 13.198, 344.980



64, 13.198, 34.980

Sweetspot

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



64, 13.199, 164.977



83, 4.544, 166.208



65, 17.263, 130.025



44, 3.094, 166.141



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, 13.199, 164.977



80, 19.920, 164.533



64, 10.013, 203.225



34, 4.204, 165.801



53, 54.913, 152.379



4, 6.799, 163.646

Inverse Universe

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



58, 13.575, 348.123



72, 20.629, 348.584



58, 11.257, 24.669



32, 4.268, 347.280



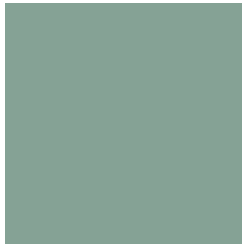
30, 55.538, 5.975



1, 6.383, 349.040

Previews

White Background



This preview shows how the CIELCh color 64, 13.198, 164.980 looks on a white background.

Color Contrast Check

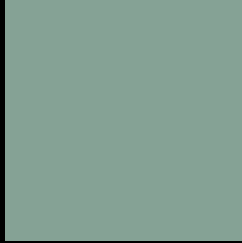
Large Text (above 18pt) WCAG AA × Fail

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, 13.198, 164.980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

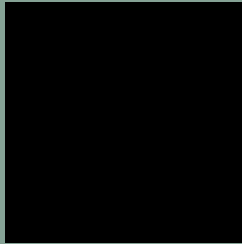
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

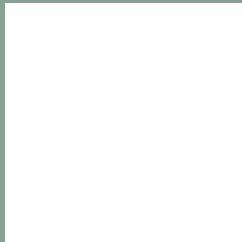
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 13.198, 164.980

Background



This preview shows how black text looks on a background with the CIELCh color 64, 13.198, 164.980.



This preview shows how white text looks on a background with the CIELCh color 64, 13.198, 164.980.

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](#).

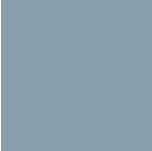
Dichromacy



Original Color
64, 13.198, 164.980

Protanopia
64, 5.520, 84.215

Deuteranopia
64, 8.282, 16.317



Tritanopia
64, 10.263, 244.098

Trichromacy



Original Color
64, 13.198, 164.980

Protanomaly
64, 6.715, 133.420

Deuteranomaly
64, 2.498, 82.088

Tritanomaly
64, 8.942, 213.224

Monochromacy



Original Color
64, 13.198, 164.980

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 5.078, 165.651

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 13.198, 164.980 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(133, 162, 149)` looks like.

```
.text, #text, p{  
    color:rgb(133, 162, 149)  
}
```

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(133, 162, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 162, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 13.198, 164.980 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(133, 162, 149) }
```

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

```
.border{ border-color:rgb(133, 162, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 162, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 162, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 162, 149);  
box-shadow:4px 4px 4px 4px rgb(133, 162,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 13.198, 164.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 162, 149) }
```

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

```
.background{ background-color: rgb(133,  
162, 149) }
```

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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