

Converting Colors

CIELCh(64, 10.856, 179.228)

Have a look what the booklet for
CIELCh(64, 10.856, 179.228)
contains.

CIELCh(64, 11.180, 177.961)	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, 11.180, 177.961)

Conversions

Conversions Part 1

Format	Color
Hex	85A19A
RGB	133, 161, 154
RGB Percent	52%, 63%, 60%
CMY	0.4785, 0.3687, 0.3961
CMYK	0.17, 0.00, 0.04, 0.37
HSL	165°, 13%, 58%
HSV	165°, 17%, 63%
XYZ	28.2436, 32.8017, 35.4073
YIQ	151.8300, -14.4410, -8.1130

Conversions

Conversions Part 2

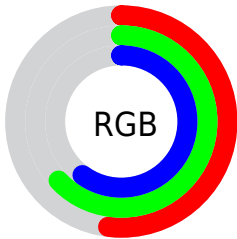
Format	Color
RYB	133, 149, 161
Decimal	8757658
CIELab	64.00, -11.17, 0.40
CIELCh	64, 11.180, 177.961
Yxy	32.8017, 0.2928, 0.3401
Android (android.graphics.Color)	4286947738 (0xFF85A19A)
YUV	151.8300, 1.0698, -16.5139
Hunter-Lab	57.2727, -12.2015, 3.4365

Details

The CIELCh color **64, 11.180, 177.961** is a light color, and the websafe version is hex **669999**. A complement of this color would be **58, 11.852, 1.199**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 11.496, 177.062**, and **44, 10.922, 178.844** is the 20% darker color. If you saturate the color by 10%, you get **63, 17.329, 176.946**, and if you desaturate by 10%, it is **65, 4.805, 178.941**.

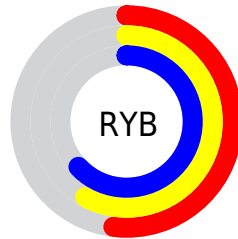
Distribution



Red (52%)

Green (63%)

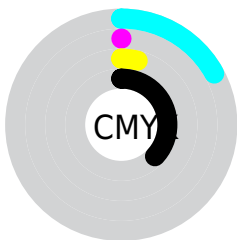
Blue (60%)



Red (52%)

Yellow (58%)

Blue (63%)

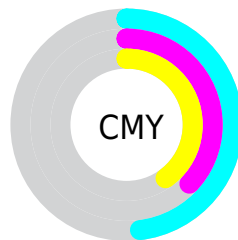


Cyan (17%)

Magenta (0%)

Yellow (4%)

Black (37%)



Cyan (48%)


Magenta (37%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 11.180, 177.961 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, 11.180, 177.961 by changing the saturation by 10% instead.


 64, 11.180,
177.961


 64, 11.180,
177.961


 100, 11.180,
177.961


 54, 11.180,
177.961


 84, 11.180,
177.961

 44, 11.180,
177.961

 94, 11.180,
177.961

 34, 11.180,
177.961

 24, 11.180,
177.961

 14, 11.180,
177.961

 4, 11.180, 177.961

 0, 11.180, 177.961

64, 11.180,
177.961

64, 11.180,
177.961

63, 17.329,
176.946

65, 4.805, 178.941

62, 23.149,
175.868

67, 1.711, 359.491

68, 8.291, 0.526

61, 28.535,
174.700

70, 14.874, 1.352

60, 33.385,
173.422

71, 21.414, 2.130

73, 27.877, 2.875

60, 37.612,
172.009

75, 34.238, 3.591

59, 41.161,
170.440


76, 38.044, 2.670

59, 44.020,
168.694

76, 38.548,
359.585

59, 46.279,

166.790

 59, 46.841,
166.304

Harmonies

Complementary

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



64, 11.180, 177.961



58, 11.852, 1.199

Rectangle

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



64, 11.180, 177.961



64, 11.180, 227.961



64, 11.180, 357.961



64, 11.180, 47.961

Sweetspot

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



64, 11.181, 177.956



83, 4.027, 179.188



64, 17.560, 136.006



44, 2.741, 179.114



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, 11.181, 177.956



81, 16.606, 177.559



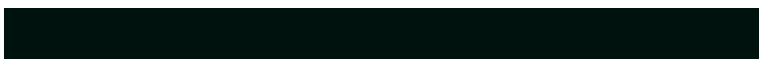
62, 8.533, 224.328



34, 3.711, 178.752



53, 43.344, 166.495



4, 6.002, 175.709

Inverse Universe

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



58, 11.852, 1.199



72, 17.853, 1.670



60, 9.500, 42.824



32, 3.828, 0.311



30, 58.770, 24.273



1, 5.776, 1.246

Previews

White Background



This preview shows how the CIELCh color 64, 11.180, 177.961 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, 11.180, 177.961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

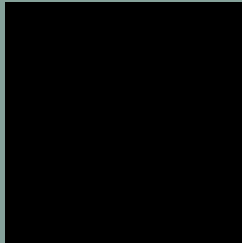
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 11.180, 177.961

Background



This preview shows how black text looks on a background with the CIELCh color 64, 11.180, 177.961.



This preview shows how white text looks on a background with the CIELCh color 64, 11.180, 177.961.

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

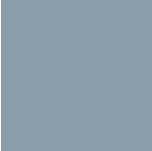
64, 11.180, 177.961

Protanopia

64, 2.940, 68.433

Deuteranopia

64, 8.108, 355.884



Tritanopia
64, 10.506, 242.768

Trichromacy



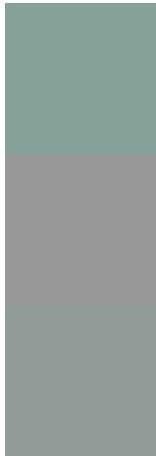
Original Color
64, 11.180, 177.961

Protanomaly
64, 4.309, 148.405

Deuteranomaly
64, 0.959, 343.401

Tritanomaly
64, 9.206, 220.148

Monochromacy



Original Color
64, 11.180, 177.961

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 3.972, 182.799

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 11.180, 177.961 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, 161, 154)` looks like.

```
.text, #text, p{  
    color:rgb(133, 161, 154)  
}
```

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, 161, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 161, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 11.180, 177.961 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, 161, 154) }
```

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

```
.border{ border-color:rgb(133, 161, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 161, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 161, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 161, 154);  
box-shadow:4px 4px 4px 4px rgb(133, 161,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 11.180, 177.961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 161, 154) }
```

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

```
.background{ background-color: rgb(133,  
161, 154) }
```

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