

Converting Colors

CIELCh(58, 16.035, 191.997)

Have a look what the booklet for
CIELCh(58, 16.035, 191.997)
contains.

CIELCh(58, 16.233, 191.828)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(58, 16.233, 191.828)

Conversions

Conversions Part 1

Format	Color
Hex	679491
RGB	103, 148, 145
RGB Percent	40%, 58%, 57%
CMY	0.5975, 0.4210, 0.4328
CMYK	0.30, 0.00, 0.02, 0.42
HSL	176°, 18%, 49%
HSV	176°, 30%, 58%
XYZ	21.1684, 25.9610, 30.5368
YIQ	134.2030, -25.8570, -10.4730

Conversions

Conversions Part 2

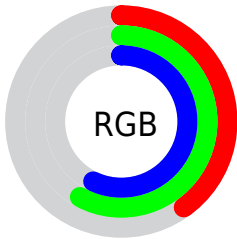
Format	Color
R_{YB}	103, 126, 148
Decimal	6788241
CIE _{Lab}	58.00, -15.89, -3.33
CIE _{LCh}	58, 16.233, 191.828
Yxy	25.9610, 0.2726, 0.3343
Android (android.graphics.Color)	4284978321 (0xFF679491)
YUV	134.2030, 5.3229, -27.3650
Hunter-Lab	50.9519, -15.0065, 0.1323

Details

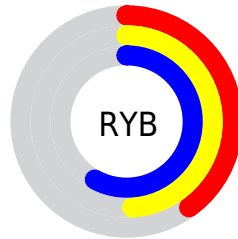
The CIELCh color `58, 16.233, 191.828` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `48, 19.369, 16.763`, and the grayscale version is `56, 0.007, 296.813`.

A 20% lighter version of the original color is `78, 16.007, 192.442`, and `38, 16.153, 192.975` is the 20% darker color. If you saturate the color by 10%, you get `57, 20.783, 191.145`, and if you desaturate by 10%, it is `59, 11.239, 192.513`.

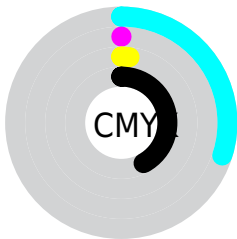
Distribution



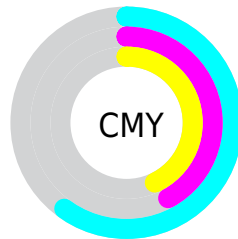
- Red (40%)
- Green (58%)
- Blue (57%)



- Red (40%)
- Yellow (49%)
- Blue (58%)



- Cyan (30%)
- Magenta (0%)
- Yellow (2%)
- Black (42%)





- Cyan (60%)
- Magenta (42%)
- Yellow (43%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 16.233, 191.828 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 58, 16.233, 191.828 by changing the saturation by 10% instead.

 58, 16.233,
191.828


 58, 16.233,
191.828


 100, 16.233,
191.828


 48, 16.233,
191.828


 78, 16.233,
191.828

 38, 16.233,
191.828

 88, 16.233,
191.828

 28, 16.233,
191.828

 98, 16.233,
191.828

 18, 16.233,
191.828

 8, 16.233, 191.828

 0, 16.233, 191.828

■ 58, 16.233,
191.828

■ 58, 16.233,
191.828

■ 57, 20.783,
191.145

■ 59, 11.239,
192.513

■ 57, 24.799,
190.469

■ 60, 5.889, 193.230

■ 61, 0.270, 195.451

■ 56, 28.207,
189.787

■ 62, 5.542, 14.455

■ 56, 30.950,
189.091

■ 64, 11.478, 15.186

■ 55, 33.008,
188.367

■ 65, 17.484, 15.888

■ 67, 23.516, 16.578

■ 55, 34.399,
187.603

■ 69, 29.540, 17.259

■ 55, 35.297,
186.847

■ 70, 35.529, 17.929

Harmonies

Complementary

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



58, 16.233, 191.828



48, 19.369, 16.763

Rectangle

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



58, 16.233, 191.828



58, 16.233, 241.828



58, 16.233, 11.828



58, 16.233, 61.828

Sweetspot

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



58, 16.233, 191.825



76, 6.266, 193.329



57, 30.541, 140.771



40, 4.377, 193.227



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



58, 16.233, 191.825



73, 23.717, 191.330



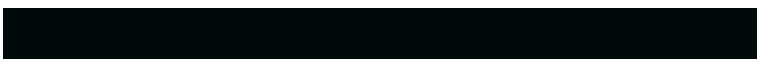
52, 14.156, 252.219



31, 3.189, 193.327



51, 33.537, 186.903



2, 2.845, 193.892

Inverse Universe

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



48, 19.369, 16.763



58, 29.679, 17.801



53, 15.912, 64.590



29, 3.351, 14.495



28, 62.991, 36.229



1, 2.845, 13.875

Previews

White Background



This preview shows how the CIELCh color 58, 16.233, 191.828 looks on a white background.

Color Contrast Check

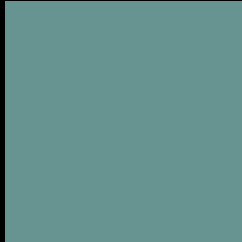
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 16.233, 191.828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

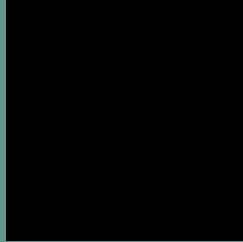
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 16.233, 191.828

Background



This preview shows how black text looks on a background with the CIELCh color 58, 16.233, 191.828.



This preview shows how white text looks on a background with the CIELCh color 58, 16.233, 191.828.

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
58, 16.233, 191.828

Protanopia
58, 1.315, 353.605

Deuteranopia
58, 8.758, 329.128



Tritanopia
58, 14.976, 223.117

Trichromacy



Original Color
58, 16.233, 191.828

Protanomaly
58, 5.753, 193.226

Deuteranomaly
58, 4.516, 248.488

Tritanomaly
58, 14.973, 211.374

Monochromacy



Original Color
58, 16.233, 191.828

Achromatopsia
56, 0.007, 296.813

Achromatomaly
57, 6.142, 193.510

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 16.233, 191.828 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(103, 148, 145)` looks like.

```
.text, #text, p{  
    color:rgb(103, 148, 145)  
}
```

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(103, 148, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 148, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 16.233, 191.828 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(103, 148, 145) }
```

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

```
.border{ border-color:rgb(103, 148, 145) }
```

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

Here you see how a box with a 4 pixel rgb(103, 148, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 148, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 148, 145);  
box-shadow:4px 4px 4px 4px rgb(103, 148,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 16.233, 191.828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 148, 145) }
```

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

```
.background{ background-color: rgb(103,  
148, 145) }
```

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