

# Converting Colors

CIECh(58, 16.307, 165.110)

Have a look what the booklet for  
CIELCh(58, 16.307, 165.110)  
contains.

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# Color

**CIELCh(58, 16.230, 166.168)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6F9384
RGB	111, 147, 132
RGB Percent	44%, 58%, 52%
CMY	0.5642, 0.4230, 0.4819
CMYK	0.24, 0.00, 0.10, 0.42
HSL	155°, 14%, 51%
HSV	155°, 24%, 58%
XYZ	21.1954, 25.9610, 25.7657
YIQ	134.5260, -16.6410, -12.2970

# Conversions

## Conversions Part 2

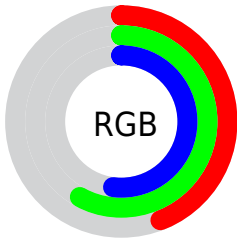
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	111, 134, 147
Decimal	7312260
CIE <sub>Lab</sub>	58.00, -15.76, 3.88
CIE <sub>LCh</sub>	58, 16.230, 166.168
Yxy	25.9610, 0.2907, 0.3560
Android (android.graphics.Color)	4285502340 (0xFF6F9384)
YUV	134.5260, -1.2453, -20.6323
Hunter-Lab	50.9519, -14.9118, 5.6842

# Details

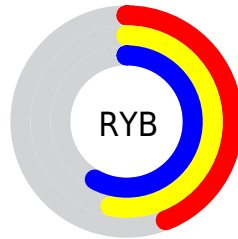
The CIELCh color  $58, 16.230, 166.168$  is a dark color, and the websafe version is hex  $669999$ . A complement of this color would be  $51, 16.954, 350.710$ , and the grayscale version is  $56, 0.007, 296.813$ .

A 20% lighter version of the original color is  $78, 16.279, 166.428$ , and  $38, 15.948, 167.233$  is the 20% darker color. If you saturate the color by 10%, you get  $57, 22.623, 165.080$ , and if you desaturate by 10%, it is  $59, 9.656, 167.159$ .

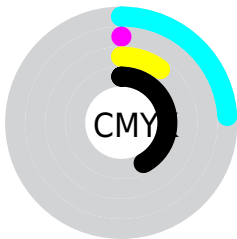
# Distribution



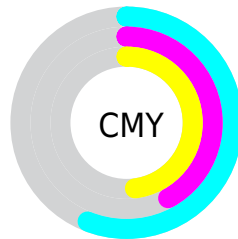
- Red (44%)
- Green (58%)
- Blue (52%)



- Red (44%)
- Yellow (53%)
- Blue (58%)



- Cyan (24%)
- Magenta (0%)
- Yellow (10%)
- Black (42%)




- Cyan (56%)
- Magenta (42%)
- Yellow (48%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 16.230, 166.168 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, 16.230, 166.168 by changing the saturation by 10% instead.





 58, 16.230,  
166.168


 58, 16.230,  
166.168


 100, 16.230,  
166.168


 48, 16.230,  
166.168


 78, 16.230,  
166.168

 38, 16.230,  
166.168

 88, 16.230,  
166.168

 28, 16.230,  
166.168

 98, 16.230,  
166.168

 18, 16.230,  
166.168

 8, 16.230, 166.168

 0, 16.230, 166.168

■ 58, 16.230,  
166.168

■ 58, 16.230,  
166.168

■ 57, 22.623,  
165.080

■ 59, 9.656, 167.159

■ 60, 2.987, 168.134

■ 56, 28.728,  
163.876

■ 62, 3.698, 348.748

■ 55, 34.440,  
162.530

■ 63, 10.339,  
349.573

■ 55, 39.658,  
161.019

■ 65, 16.890,  
350.300

■ 54, 44.302,  
159.322

■ 66, 23.319,  
350.977

■ 54, 48.328,  
157.423


■ 68, 29.602,  
351.613

■ 54, 51.747,  
155.331

■ 70, 35.727,  
352.215

■ 54, 53.519,

154.194

 72, 41.687,  
352.787

# Harmonies

# Complementary

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



58, 16.230, 166.168



51, 16.954, 350.710

# Rectangle

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



58, 16.230, 166.168



58, 16.230, 216.168



58, 16.230, 346.168



58, 16.230, 36.168

# Sweetspot

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



58, 16.231, 166.166



76, 5.792, 167.859



59, 21.906, 130.299



40, 3.793, 167.810



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, 16.231, 166.166



73, 23.707, 165.623



58, 12.199, 204.772



31, 3.790, 167.661



50, 50.858, 154.344



2, 3.326, 168.404



# Inverse Universe

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



51, 16.954, 350.710



63, 24.993, 351.301



51, 14.369, 26.534



29, 3.855, 349.143



29, 53.433, 8.708



1, 3.327, 348.392



# Previews

## White Background



This preview shows how the CIELCh color 58, 16.230, 166.168 looks on a white background.

## Color Contrast Check

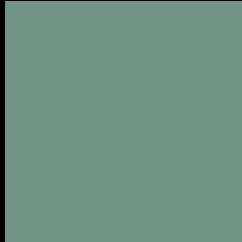
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the CIELCh color 58, 16.230, 166.168 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

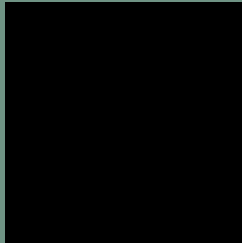
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 58, 16.230, 166.168

## Background



This preview shows how black text looks on a background with the CIELCh color 58, 16.230, 166.168.



This preview shows how white text looks on a background with the CIELCh color 58, 16.230, 166.168.

# 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, 16.230, 166.168

**Protanopia**  
58, 6.684, 88.058

**Deuteranopia**  
58, 8.059, 16.181





**Tritanopia**  
58, 11.606, 231.412

# Trichromacy



**Original Color**  
58, 16.230, 166.168

**Protanomaly**  
58, 7.720, 136.952

**Deuteranomaly**  
58, 2.864, 117.764

**Tritanomaly**  
58, 11.323, 204.180

# Monochromacy



**Original Color**  
58, 16.230, 166.168

**Achromatopsia**  
56, 0.007, 296.813

**Achromatomaly**  
57, 5.836, 169.615

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 58, 16.230, 166.168 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(111, 147, 132)` looks like.

```
.text, #text, p{  
    color:rgb(111, 147, 132)  
}
```

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(111, 147, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 147, 132) }
```

## Border

The CSS property to change the border of an element to CIELCh 58, 16.230, 166.168 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(111, 147, 132) }
```

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

```
.border{ border-color:rgb(111, 147, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 147, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 147, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 147, 132);  
box-shadow:4px 4px 4px 4px rgb(111, 147,  
132) }
```

# Background

The CSS property to change the background color of an element to CIELCh 58, 16.230, 166.168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 147, 132) }
```

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

```
.background{ background-color: rgb(111,  
147, 132) }
```

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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