

Converting Colors

CIELCh(58, 16.001, 256.706)

Have a look what the booklet for
CIELCh(58, 16.001, 256.706)
contains.

CIELCh(58, 15.741, 255.450)	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, 15.741, 255.450)

Conversions

Conversions Part 1

Format	Color
Hex	748FA6
RGB	116, 143, 166
RGB Percent	45%, 56%, 65%
CMY	0.5465, 0.4407, 0.3505
CMYK	0.30, 0.14, 0.00, 0.35
HSL	208°, 22%, 55%
HSV	208°, 30%, 65%
XYZ	23.7687, 25.9610, 39.6514
YIQ	137.5490, -23.4750, 1.4290

Conversions

Conversions Part 2

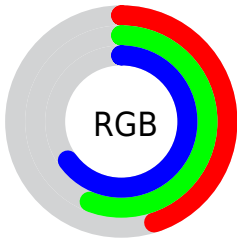
Format	Color
RYB	116, 134, 166
Decimal	7638950
CIELab	58.00, -3.95, -15.24
CIElCh	58, 15.741, 255.450
Yxy	25.9610, 0.2659, 0.2905
Android (android.graphics.Color)	4285829030 (0xFF748FA6)
YUV	137.5490, 14.0263, -18.8985
Hunter-Lab	50.9519, -5.8969, -10.4739

Details

The CIELCh color `58, 15.741, 255.450` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `60, 17.446, 67.479`, and the grayscale version is `57, 0.007, 296.813`.

A 20% lighter version of the original color is `78, 15.643, 254.526`, and `38, 15.628, 254.898` is the 20% darker color. If you saturate the color by 10%, you get `55, 20.701, 257.541`, and if you desaturate by 10%, it is `61, 10.636, 253.704`.

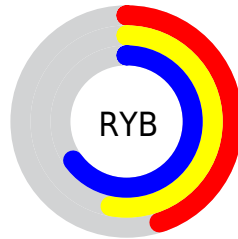
Distribution



Red (45%)

Green (56%)

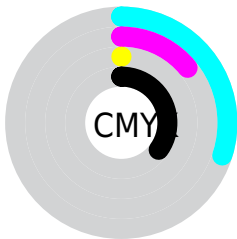
Blue (65%)



Red (45%)

Yellow (53%)

Blue (65%)

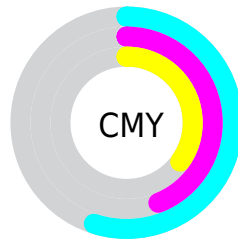


Cyan (30%)

Magenta (14%)

Yellow (0%)

Black (35%)



Cyan (55%)


Magenta (44%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 15.741, 255.450 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, 15.741, 255.450 by changing the saturation by 10% instead.


 58, 15.741,
255.450


 58, 15.741,
255.450


 100, 15.741,
255.450


 48, 15.741,
255.450


 78, 15.741,
255.450

 38, 15.741,
255.450

 88, 15.741,
255.450

 28, 15.741,
255.450

 98, 15.741,
255.450

 18, 15.741,
255.450

 8, 15.741, 255.450

 0, 15.741, 255.450

■ 58, 15.741,
255.450

■ 58, 15.741,
255.450

■ 55, 20.701,
257.541

■ 61, 10.636,
253.704

■ 52, 25.500,
260.046

■ 65, 5.414, 252.268

■ 49, 30.132,
263.024

■ 68, 0.102, 254.363

■ 71, 5.273, 69.860

■ 46, 34.619,
266.514

■ 75, 10.688, 69.005

■ 43, 39.014,
270.516

■ 78, 16.123, 68.253

■ 81, 21.562, 67.599

■ 40, 43.402,
274.956

■ 85, 26.989, 67.028

■ 38, 47.836,
279.418

■ 87, 29.788, 72.008

Harmonies

Complementary

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



58, 15.741, 255.450



60, 17.446, 67.479

Rectangle

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



58, 15.741, 255.450



58, 15.741, 305.450



58, 15.741, 75.450



58, 15.741, 125.450

Sweetspot

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



58, 15.740, 255.447



82, 5.906, 252.139



64, 24.332, 158.392



43, 4.092, 252.315



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



58, 15.740, 255.447



71, 22.970, 256.757



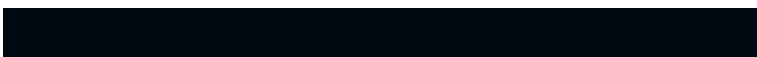
51, 27.681, 291.864



33, 2.975, 252.151



33, 43.032, 278.852



2, 4.830, 256.581

Inverse Universe

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



54, 24.869, 344.176



66, 36.566, 344.864



66, 25.951, 105.102



32, 4.537, 342.236



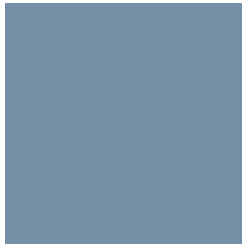
31, 56.388, 357.451



1, 6.748, 344.229

Previews

White Background



This preview shows how the CIELCh color 58, 15.741, 255.450 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, 15.741, 255.450 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

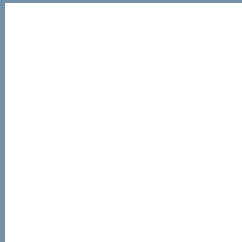
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 58, 15.741, 255.450

Background



This preview shows how black text looks on a background with the CIELCh color 58, 15.741, 255.450.



This preview shows how white text looks on a background with the CIELCh color 58, 15.741, 255.450.

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, 15.741, 255.450

Protanopia

58, 13.704, 285.699

Deuteranopia

58, 17.718, 295.677



Tritanopia
58, 12.694, 231.273

Trichromacy



Original Color
58, 15.741, 255.450

Protanomaly
58, 13.742, 272.017

Deuteranomaly
58, 16.067, 283.122

Tritanomaly
58, 13.295, 238.788

Monochromacy



Original Color
58, 15.741, 255.450

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 5.838, 250.712

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 15.741, 255.450 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(116, 143, 166)` looks like.

```
.text, #text, p{  
    color:rgb(116, 143, 166)  
}
```

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(116, 143, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 143, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 15.741, 255.450 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(116, 143, 166) }
```

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

```
.border{ border-color:rgb(116, 143, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 143, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 143, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 143, 166);  
box-shadow:4px 4px 4px 4px rgb(116, 143,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 15.741, 255.450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 143, 166) }
```

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

```
.background{ background-color: rgb(116,  
143, 166) }
```

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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