

Converting Colors

CIECh(58, 15.475, 256.175)

Have a look what the booklet for
CIELCh(58, 15.475, 256.175)
contains.

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Color

CIELCh(58, 15.580, 256.475)

Conversions

Conversions Part 1

Format	Color
Hex	748EA5
RGB	116, 142, 165
RGB Percent	45%, 56%, 65%
CMY	0.5433, 0.4413, 0.3511
CMYK	0.30, 0.14, 0.00, 0.35
HSL	208°, 21%, 55%
HSV	208°, 30%, 65%
XYZ	23.8391, 25.9610, 39.5780
YIQ	136.8480, -22.8790, 1.6410

Conversions

Conversions Part 2

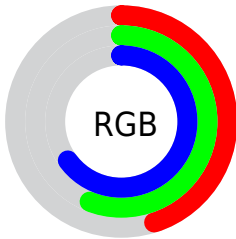
Format	Color
R_{YB}	116, 133, 165
Decimal	7638693
CIE _{Lab}	58.00, -3.64, -15.15
CIE _{LCh}	58, 15.580, 256.475
Yxy	25.9610, 0.2667, 0.2905
Android (android.graphics.Color)	4285828773 (0xFF748EA5)
YUV	136.8480, 13.8789, -18.2837
Hunter-Lab	50.9519, -5.6502, -10.3884

Details

The CIELCh color `58, 15.580, 256.475` is a dark color, and the websafe version is hex `999999`. A complement of this color would be `60, 17.146, 68.574`, and the grayscale version is `57, 0.007, 296.813`.

A 20% lighter version of the original color is `78, 15.476, 255.523`, and `38, 15.473, 255.935` is the 20% darker color. If you saturate the color by 10%, you get `55, 20.611, 258.557`, and if you desaturate by 10%, it is `61, 10.417, 254.732`.

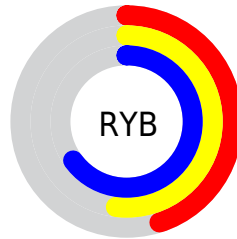
Distribution



Red (45%)

Green (56%)

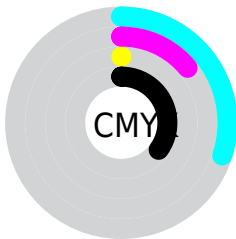
Blue (65%)



Red (45%)

Yellow (52%)

Blue (65%)

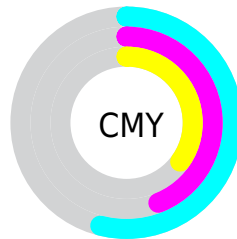


Cyan (30%)

Magenta (14%)

Yellow (0%)

Black (35%)



Cyan (54%)


Magenta (44%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 15.580, 256.475 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, 15.580, 256.475 by changing the saturation by 10% instead.


 58, 15.580,
256.475


 58, 15.580,
256.475


 100, 15.580,
256.475


 48, 15.580,
256.475


 78, 15.580,
256.475

 38, 15.580,
256.475

 88, 15.580,
256.475

 28, 15.580,
256.475

 98, 15.580,
256.475

 18, 15.580,
256.475

 8, 15.580, 256.475

 0, 15.580, 256.475

■ 58, 15.580,
256.475

■ 58, 15.580,
256.475

■ 55, 20.611,
258.557

■ 61, 10.417,
254.732

■ 52, 25.496,
261.048

■ 65, 5.150, 253.298

■ 68, 0.197, 70.267

■ 48, 30.230,
264.002

■ 71, 5.599, 70.884

■ 45, 34.835,
267.460

■ 75, 11.033, 70.019

■ 43, 39.363,
271.420

■ 78, 16.481, 69.259

■ 82, 21.926, 68.597

■ 40, 43.896,
275.810

■ 85, 27.357, 68.017

■ 37, 48.557,
280.324

■ 88, 30.042, 73.434

■ 37, 48.739,

280.483

Harmonies

Complementary

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



58, 15.580, 256.475



60, 17.146, 68.574

Rectangle

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



58, 15.580, 256.475



58, 15.580, 306.475



58, 15.580, 76.475



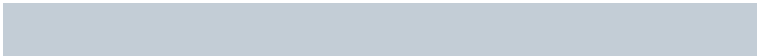
58, 15.580, 126.475

Sweetspot

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



58, 15.579, 256.472



82, 5.945, 253.239



64, 23.563, 159.267



43, 4.119, 253.418



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, 15.579, 256.472



71, 23.183, 257.898



51, 27.622, 292.452



33, 2.994, 253.251



33, 43.867, 279.927



2, 4.863, 257.500

Inverse Universe

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



55, 24.243, 344.639



66, 36.356, 345.397



66, 25.866, 105.919



32, 4.508, 342.733



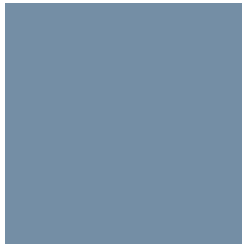
31, 56.233, 358.313



1, 6.708, 344.706

Previews

White Background



This preview shows how the CIELCh color 58, 15.580, 256.475 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, 15.580, 256.475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

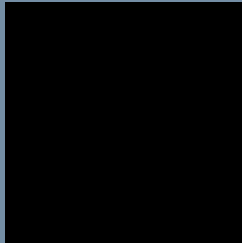
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

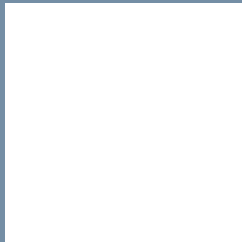
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 58, 15.580, 256.475

Background



This preview shows how black text looks on a background with the CIELCh color 58, 15.580, 256.475.



This preview shows how white text looks on a background with the CIELCh color 58, 15.580, 256.475.

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, 15.580, 256.475

Protanopia

58, 13.704, 285.699

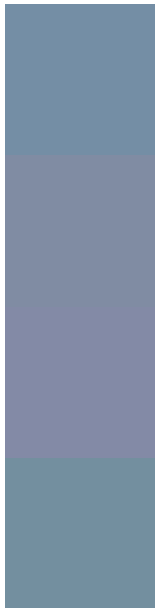
Deuteranopia

58, 17.718, 295.677



Tritanopia
58, 12.420, 232.107

Trichromacy



Original Color
58, 15.580, 256.475

Protanomaly
58, 13.639, 273.405

Deuteranomaly
58, 16.067, 283.122

Tritanomaly
58, 13.156, 242.773

Monochromacy



Original Color
58, 15.580, 256.475

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 5.616, 253.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 15.580, 256.475 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, 142, 165)` looks like.

```
.text, #text, p{  
    color:rgb(116, 142, 165)  
}
```

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, 142, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 142, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 15.580, 256.475 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, 142, 165) }
```

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

```
.border{ border-color:rgb(116, 142, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 142, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 142, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 142, 165);  
box-shadow:4px 4px 4px 4px rgb(116, 142,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 15.580, 256.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 142, 165) }
```

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

```
.background{ background-color: rgb(116,  
142, 165) }
```

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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