

Converting Colors

CIELCh(58, 47.765, 289.613)

Have a look what the booklet for
CIELCh(58, 47.765, 289.613)
contains.

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Color

CIELCh(58, 47.765, 289.613)

Conversions

Conversions Part 1

Format	Color
Hex	7586DA
RGB	117, 134, 218
RGB Percent	46%, 53%, 85%
CMY	0.5405, 0.4739, 0.1444
CMYK	0.46, 0.39, 0.00, 0.14
HSL	230°, 58%, 66%
HSV	230°, 46%, 86%
XYZ	28.5863, 25.9610, 69.9586
YIQ	138.4930, -37.0960, 22.5200

Conversions

Conversions Part 2

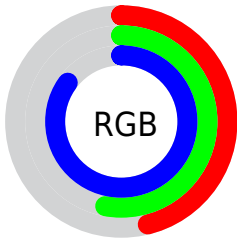
Format	Color
RYB	117, 132, 218
Decimal	7702234
CIELab	58.00, 16.03, -44.99
CIELCh	58, 47.765, 289.613
Yxy	25.9610, 0.2296, 0.2085
Android (android.graphics.Color)	4285892314 (0xFF7586DA)
YUV	138.4930, 39.1970, -18.8494
Hunter-Lab	50.9519, 10.9804, -45.7407

Details

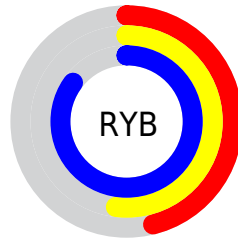
The CIELCh color **58, 47.765, 289.613** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **81, 44.245, 96.917**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 36.636, 286.700**, and **38, 47.887, 289.545** is the 20% darker color. If you saturate the color by 10%, you get **52, 59.150, 291.982**, and if you desaturate by 10%, it is **64, 36.789, 287.551**.

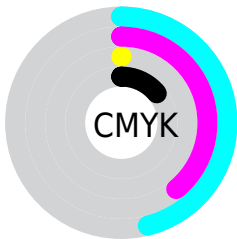
Distribution



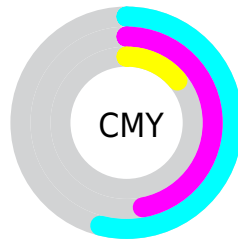
- Red (46%)
- Green (53%)
- Blue (85%)



- Red (46%)
- Yellow (52%)
- Blue (85%)



- Cyan (46%)
- Magenta (39%)
- Yellow (0%)
- Black (14%)




- Cyan (54%)
- Magenta (47%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 47.765, 289.613 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, 47.765, 289.613 by changing the saturation by 10% instead.


 58, 47.765,
289.613

 58, 47.765,
289.613


 100, 47.765,
289.613


 48, 47.765,
289.613


 78, 47.765,
289.613

 38, 47.765,
289.613

 88, 47.765,
289.613

 28, 47.765,
289.613

 98, 47.765,
289.613

 18, 47.765,
289.613

 8, 47.765, 289.613

 0, 47.765, 289.613

■ 58, 47.765,
289.613

■ 58, 47.765,
289.613

■ 52, 59.150,
291.982

■ 64, 36.789,
287.551

■ 46, 70.917,
294.634

■ 71, 26.205,
285.781

■ 40, 82.887,
297.475

■ 77, 15.979,
284.270

■ 35, 94.572,
300.314

■ 83, 6.081, 282.992

■ 89, 3.513, 101.816

■ 32, 105.019,
302.870

■ 96, 12.824,
100.893

■ 30, 108.355,
303.648

■ 99, 18.615,
108.769

Harmonies

Complementary

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



58, 47.765, 289.613



81, 44.245, 96.917

Rectangle

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



58, 47.765, 289.613



58, 47.765, 339.613



58, 47.765, 109.613



58, 47.765, 159.613

Sweetspot

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



58, 47.764, 289.614



90, 15.530, 283.974



81, 33.988, 180.082



46, 10.758, 284.271



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



58, 47.764, 289.614



60, 66.803, 292.033



56, 58.512, 305.768



43, 5.533, 283.368



23, 90.195, 303.294



3, 26.181, 290.992

Inverse Universe

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



61, 41.979, 11.852



65, 58.179, 14.248



83, 53.033, 119.853



43, 4.746, 6.505



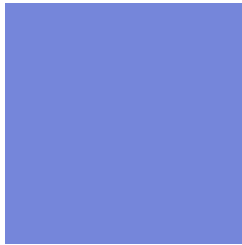
36, 70.899, 31.478



5, 23.726, 13.000

Previews

White Background



This preview shows how the CIELCh color 58, 47.765, 289.613 looks on a white background.

Color Contrast Check

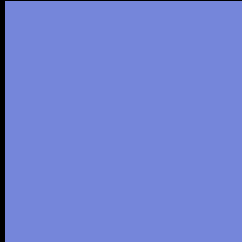
Large Text (above 18pt) WCAG AA ✓ Pass

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, 47.765, 289.613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

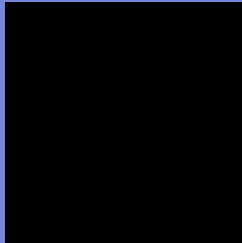
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 47.765, 289.613

Background



This preview shows how black text looks on a background with the CIELCh color 58, 47.765, 289.613.



This preview shows how white text looks on a background with the CIELCh color 58, 47.765, 289.613.

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, 47.765, 289.613

Protanopia
58, 47.972, 285.873

Deuteranopia
58, 45.037, 280.785



Tritanopia
58, 16.910, 219.944

Trichromacy



Original Color
58, 47.765, 289.613

Protanomaly
58, 47.879, 287.403

Deuteranomaly
58, 45.842, 284.072

Tritanomaly
58, 23.993, 263.963

Monochromacy



Original Color
58, 47.765, 289.613

Achromatopsia
58, 0.007, 296.813

Achromatomaly
58, 17.733, 285.368

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 47.765, 289.613 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(117, 134, 218)` looks like.

```
.text, #text, p{  
    color:rgb(117, 134, 218)  
}
```

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(117, 134, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 134, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 47.765, 289.613 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(117, 134, 218) }
```

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

```
.border{ border-color:rgb(117, 134, 218) }
```

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

Here you see how a box with a 4 pixel rgb(117, 134, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 134, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 134, 218);  
box-shadow:4px 4px 4px 4px rgb(117, 134,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 47.765, 289.613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 134, 218) }
```

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

```
.background{ background-color: rgb(117,  
134, 218) }
```

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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