

Converting Colors

CIELCh(58, 37.458, 267.932)

Have a look what the booklet for
CIELCh(58, 37.458, 267.932)
contains.

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Color

CIELCh(58, 37.351, 268.172)

Conversions

Conversions Part 1

Format	Color
Hex	538FCC
RGB	83, 143, 204
RGB Percent	33%, 56%, 80%
CMY	0.6732, 0.4381, 0.1988
CMYK	0.59, 0.30, 0.00, 0.20
HSL	210°, 54%, 56%
HSV	210°, 59%, 80%
XYZ	24.3997, 25.9610, 61.0486
YIQ	132.0140, -55.3410, 6.2510

Conversions

Conversions Part 2

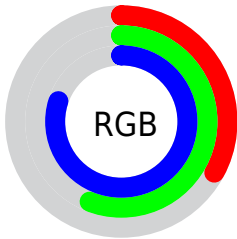
Format	Color
R_{YB}	83, 123, 204
Decimal	5476300
CIE _{Lab}	58.00, -1.19, -37.33
CIE _{LCh}	58, 37.351, 268.172
Yxy	25.9610, 0.2190, 0.2330
Android (android.graphics.Color)	4283666380 (0xFF538FCC)
YUV	132.0140, 35.4891, -42.9853
Hunter-Lab	50.9519, -3.6865, -35.3726

Details

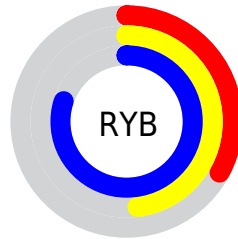
The CIELCh color **58, 37.351, 268.172** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **65, 44.111, 68.400**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 34.322, 264.579**, and **38, 37.153, 267.926** is the 20% darker color. If you saturate the color by 10%, you get **54, 43.326, 271.679**, and if you desaturate by 10%, it is **62, 31.297, 265.157**.

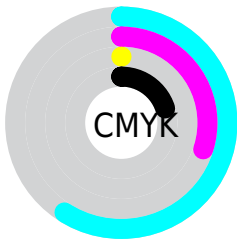
Distribution



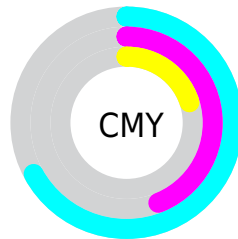
- Red (33%)
- Green (56%)
- Blue (80%)



- Red (33%)
- Yellow (48%)
- Blue (80%)



- Cyan (59%)
- Magenta (30%)
- Yellow (0%)
- Black (20%)




- Cyan (67%)
- Magenta (44%)
- Yellow (20%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 37.351, 268.172 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, 37.351, 268.172 by changing the saturation by 10% instead.


 58, 37.351,
268.172


 58, 37.351,
268.172


 100, 37.351,
268.172


 48, 37.351,
268.172


 78, 37.351,
268.172

 38, 37.351,
268.172

 88, 37.351,
268.172

 28, 37.351,
268.172

 98, 37.351,
268.172

 18, 37.351,
268.172

 8, 37.351, 268.172

 0, 37.351, 268.172

■ 58, 37.351,
268.172

■ 58, 37.351,
268.172

■ 54, 43.326,
271.679

■ 62, 31.297,
265.157

■ 51, 49.291,
275.658

■ 66, 25.134,
262.600

■ 47, 55.339,
280.017

■ 70, 18.856,
260.450

■ 44, 61.574,
284.500

■ 74, 12.474,
258.648

■ 44, 62.081,
284.834

■ 78, 6.010, 257.154

■ 82, 0.510, 75.074

■ 87, 7.062, 74.648

■ 91, 13.624, 73.731

■ 94, 17.778, 85.152

Harmonies

Complementary

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



58, 37.351, 268.172



65, 44.111, 68.400

Rectangle

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



58, 37.351, 268.172



58, 37.351, 318.172



58, 37.351, 88.172



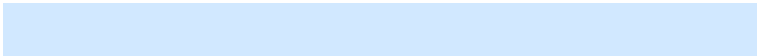
58, 37.351, 138.172

Sweetspot

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



58, 37.350, 268.173



91, 13.999, 258.489



74, 51.900, 157.026



47, 9.712, 258.978



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, 37.350, 268.173



66, 53.108, 272.712



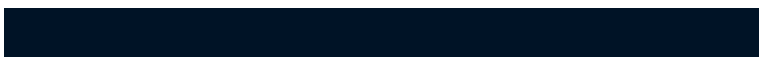
42, 72.268, 299.413



41, 3.697, 257.179



36, 52.354, 284.108



5, 15.231, 271.576

Inverse Universe

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



53, 54.708, 350.801



61, 74.808, 353.437



80, 60.641, 104.700



40, 5.296, 344.629



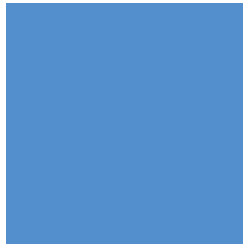
35, 61.384, 2.036



4, 19.876, 353.806

Previews

White Background



This preview shows how the CIELCh color 58, 37.351, 268.172 looks on a white background.

Color Contrast Check

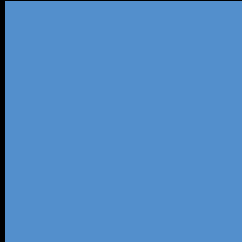
Large Text (above 18pt) WCAG AA ✓ Pass

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, 37.351, 268.172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

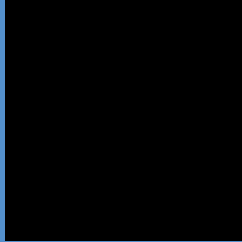
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 37.351, 268.172

Background



This preview shows how black text looks on a background with the CIELCh color 58, 37.351, 268.172.

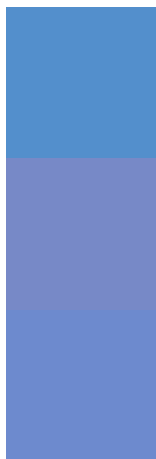


This preview shows how white text looks on a background with the CIELCh color 58, 37.351, 268.172.

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, 37.351, 268.172

Protanopia
58, 35.458, 285.135

Deuteranopia
58, 39.156, 281.995

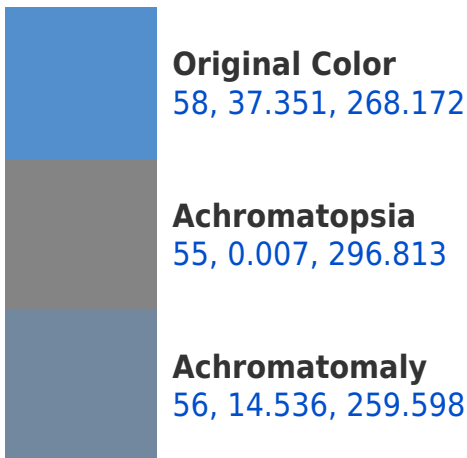


Tritanopia
58, 25.951, 212.678

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 37.351, 268.172 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(83, 143, 204)` looks like.

```
.text, #text, p{  
    color:rgb(83, 143, 204)  
}
```

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(83, 143, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 143, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 37.351, 268.172 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(83, 143, 204) }
```

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

```
.border{ border-color:rgb(83, 143, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 143, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 143, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 143, 204);  
box-shadow:4px 4px 4px 4px rgb(83, 143,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 37.351, 268.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 143, 204) }
```

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

```
.background{ background-color: rgb(83, 143,  
204) }
```

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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