

Converting Colors

CIELCh(58, 52.357, 281.367)

Have a look what the booklet for
CIELCh(58, 52.357, 281.367)
contains.

CIELCh(58, 51.909, 281.118)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(58, 51.909, 281.118)

Conversions

Conversions Part 1	
Format	Color
Hex	568BE5
RGB	86, 139, 229
RGB Percent	34%, 55%, 90%
CMY	0.6644, 0.4562, 0.1034
CMYK	0.63, 0.39, 0.00, 0.10
HSL	218°, 73%, 62%
HSV	218°, 63%, 90%
XYZ	27.0718, 25.9610, 77.4351
YIQ	133.4130, -60.4780, 16.7540

Conversions

Conversions Part 2

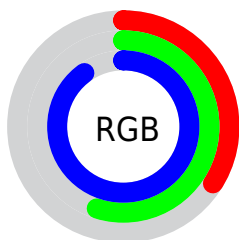
Format	Color
RYB	86, 125, 229
Decimal	5671909
CIELab	58.00, 10.01, -50.93
CIELCh	58, 51.909, 281.118
Yxy	25.9610, 0.2075, 0.1990
Android (android.graphics.Color)	4283861989 (0xFF568BE5)
YUV	133.4130, 47.1244, -41.5812
Hunter-Lab	50.9519, 5.6749, -54.4407

Details

The CIELCh color **58, 51.909, 281.118** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **75, 53.434, 79.361**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 35.721, 271.501**, and **38, 51.596, 281.767** is the 20% darker color. If you saturate the color by 10%, you get **53, 60.701, 284.524**, and if you desaturate by 10%, it is **63, 43.313, 278.104**.

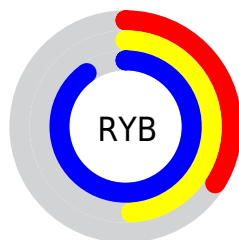
Distribution



Red (34%)

Green (55%)

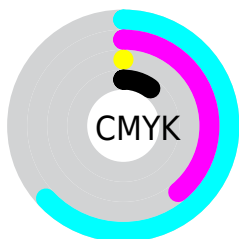
Blue (90%)



Red (34%)

Yellow (49%)

Blue (90%)

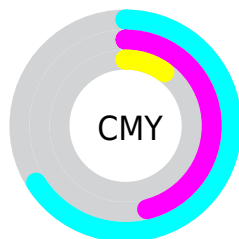


Cyan (63%)

Magenta (39%)

Yellow (0%)

Black (10%)



Cyan (66%)


Magenta (46%)


Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 51.909, 281.118 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, 51.909, 281.118 by changing the saturation by 10% instead.


 58, 51.909,
281.118


 58, 51.909,
281.118


 100, 51.909,
281.118


 48, 51.909,
281.118


 78, 51.909,
281.118

 38, 51.909,
281.118

 88, 51.909,
281.118

 28, 51.909,
281.118

 98, 51.909,
281.118

 18, 51.909,
281.118

 8, 51.909, 281.118

 0, 51.909, 281.118

■ 58, 51.909,
281.118

■ 58, 51.909,
281.118

■ 53, 60.701,
284.524

■ 63, 43.313,
278.104

■ 49, 69.728,
288.242

■ 68, 34.866,
275.490

■ 44, 78.962,
292.112

■ 73, 26.531,
273.253

■ 41, 85.880,
294.890


■ 79, 18.288,
271.348

■ 84, 10.133,
269.732

■ 89, 2.065, 268.453

■ 95, 5.909, 87.062

■ 99, 12.702,
107.063

 99, 13.349,
109.169

Harmonies

Complementary

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



58, 51.909, 281.118



75, 53.434, 79.361

Rectangle

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



58, 51.909, 281.118



58, 51.909, 331.118



58, 51.909, 101.118



58, 51.909, 151.118

Sweetspot

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



58, 51.908, 281.119



89, 16.794, 270.759



82, 53.385, 163.041



46, 11.575, 271.247



0, 0.000, 0.000



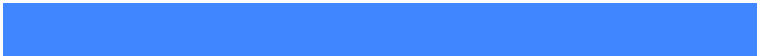
53, 0.007, 296.813

Same Dimension

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



58, 51.908, 281.119



58, 68.727, 285.570



46, 83.785, 302.527



45, 4.587, 269.285



32, 70.147, 294.250



6, 24.271, 285.837

Inverse Universe

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



57, 59.934, 0.367



59, 75.019, 4.183



87, 69.846, 110.130



45, 5.398, 352.050



38, 65.286, 14.313



7, 26.800, 4.215

Previews

White Background



This preview shows how the CIELCh color 58, 51.909, 281.118 looks on a white background.

Color Contrast Check

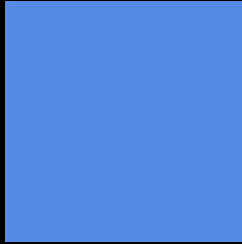
Large Text (above 18pt) WCAG AA ✓ Pass

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, 51.909, 281.118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

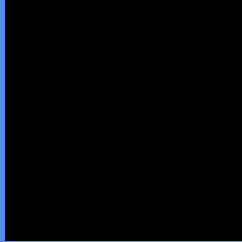
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

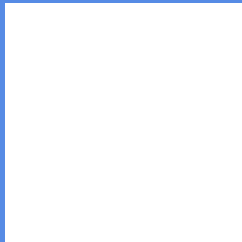
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 58, 51.909, 281.118

Background



This preview shows how black text looks on a background with the CIELCh color 58, 51.909, 281.118.



This preview shows how white text looks on a background with the CIELCh color 58, 51.909, 281.118.

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

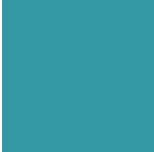
58, 51.909, 281.118

Protanopia

58, 51.369, 285.969

Deuteranopia

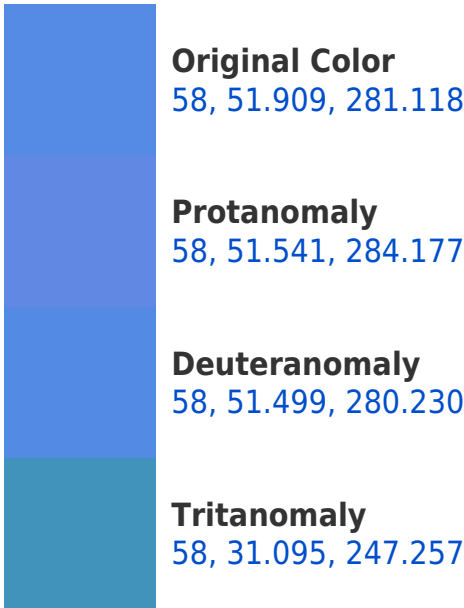
58, 51.578, 279.827



Tritanopia

58, 28.409, 212.336

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIElCh 58, 51.909, 281.118 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(86, 139, 229)` looks like.

```
.text, #text, p{  
    color:rgb(86, 139, 229)  
}
```

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(86, 139, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 139, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 51.909, 281.118 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(86, 139, 229) }
```

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

```
.border{ border-color:rgb(86, 139, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 139, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 139, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 139, 229);  
box-shadow:4px 4px 4px 4px rgb(86, 139,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 51.909, 281.118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 139, 229) }
```

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

```
.background{ background-color: rgb(86, 139,  
229) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor