

Converting Colors

CIELCh(58, 56.630, 280.629)

Have a look what the booklet for
CIELCh(58, 56.630, 280.629)
contains.

CIELCh(58, 56.613, 280.696)	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, 56.613, 280.696)

Conversions

Conversions Part 1

Format	Color
Hex	488BED
RGB	72, 139, 237
RGB Percent	28%, 55%, 93%
CMY	0.7176, 0.4549, 0.0705
CMYK	0.70, 0.41, 0.00, 0.07
HSL	216°, 82%, 61%
HSV	216°, 70%, 93%
XYZ	27.1949, 25.9610, 83.7062
YIQ	130.1390, -71.3900, 16.2740

Conversions

Conversions Part 2

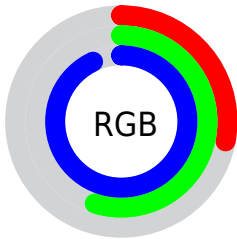
Format	Color
R _Y B	72, 120, 237
Decimal	4754413
CIE Lab	58.00, 10.51, -55.63
CIE LCh	58, 56.613, 280.696
Yxy	25.9610, 0.1987, 0.1897
Android (android.graphics.Color)	4282944493 (0xFF488BED)
YUV	130.1390, 52.6825, -50.9879
Hunter-Lab	50.9519, 6.1060, -61.7380

Details

The CIELCh color **58, 56.613, 280.696** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **74, 60.347, 75.097**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 36.615, 267.676**, and **39, 55.502, 283.979** is the 20% darker color. If you saturate the color by 10%, you get **53, 65.137, 284.472**, and if you desaturate by 10%, it is **63, 48.271, 277.300**.

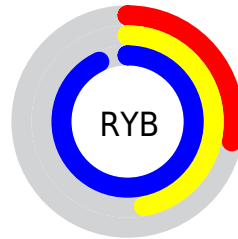
Distribution



Red (28%)

Green (55%)

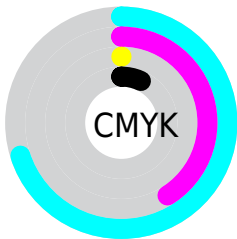
Blue (93%)



Red (28%)

Yellow (47%)

Blue (93%)

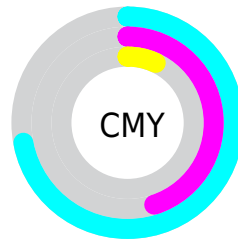


Cyan (70%)

Magenta (41%)

Yellow (0%)

Black (7%)



Cyan (72%)


Magenta (45%)


Yellow (7%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 56.613, 280.696 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, 56.613, 280.696 by changing the saturation by 10% instead.


 58, 56.613,
280.696


 58, 56.613,
280.696


 100, 56.613,
280.696


 48, 56.613,
280.696


 78, 56.613,
280.696


 38, 56.613,
280.696

 88, 56.613,
280.696

 28, 56.613,
280.696

 98, 56.613,
280.696

 18, 56.613,
280.696

 8, 56.613, 280.696

 0, 56.613, 280.696

■ 58, 56.613,
280.696

■ 58, 56.613,
280.696

■ 53, 65.137,
284.472

■ 63, 48.271,
277.300

■ 49, 73.887,
288.497

■ 68, 40.049,
274.328

■ 45, 82.832,
292.507

■ 73, 31.899,
271.774

■ 45, 83.182,
292.652

■ 78, 23.792,
269.599

■ 83, 15.720,
267.756

■ 89, 7.686, 266.204

■ 94, 0.300, 83.700

■ 99, 7.507, 100.354

100, 9.106,
109.487

Harmonies

Complementary

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



58, 56.613, 280.696



74, 60.347, 75.097

Rectangle

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



58, 56.613, 280.696



58, 56.613, 330.696



58, 56.613, 100.696



58, 56.613, 150.696

Sweetspot

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



58, 56.612, 280.697



88, 17.867, 268.008



84, 61.591, 159.766



45, 12.101, 268.501



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, 56.612, 280.697



55, 73.181, 286.352



42, 96.683, 303.121



46, 4.505, 266.183



34, 66.747, 291.929



7, 24.190, 284.587

Inverse Universe

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



57, 67.660, 359.649



56, 80.187, 4.637



90, 77.884, 108.156



46, 5.612, 349.855



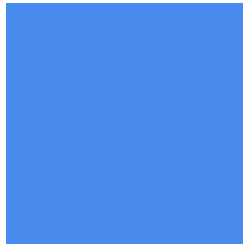
38, 65.506, 11.003



7, 27.983, 2.426

Previews

White Background



This preview shows how the CIELCh color 58, 56.613, 280.696 looks on a white background.

Color Contrast Check

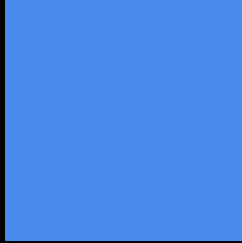
Large Text (above 18pt) WCAG AA ✓ Pass

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, 56.613, 280.696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

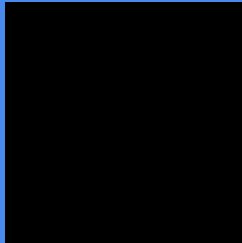
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

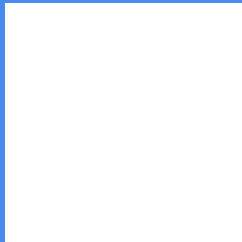
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 58, 56.613, 280.696

Background



This preview shows how black text looks on a background with the CIELCh color 58, 56.613, 280.696.



This preview shows how white text looks on a background with the CIELCh color 58, 56.613, 280.696.

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

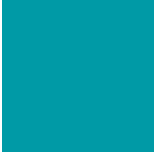
58, 56.613, 280.696

Protanopia

58, 55.925, 286.383

Deuteranopia

58, 56.303, 279.144



Tritanopia
58, 33.195, 208.673

Trichromacy



Original Color
58, 56.613, 280.696

Protanomaly
58, 56.166, 284.268

Deuteranomaly
58, 56.205, 279.573

Tritanomaly
58, 35.205, 242.265

Monochromacy



Original Color
58, 56.613, 280.696

Achromatopsia
54, 0.007, 296.813

Achromatomaly
55, 21.852, 271.209

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 56.613, 280.696 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(72, 139, 237)` looks like.

```
.text, #text, p{  
    color:rgb(72, 139, 237)  
}
```

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(72, 139, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 139, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 56.613, 280.696 is called "border". The border property can be set on classes, ids or directly on the HTML element.

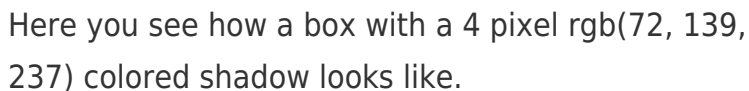
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(72, 139, 237) }
```

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

```
.border{ border-color:rgb(72, 139, 237) }
```

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



Here you see how a box with a 4 pixel `rgb(72, 139, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(72, 139, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(72, 139, 237); box-shadow:4px 4px 4px 4px rgb(72, 139, 237) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 56.613, 280.696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 139, 237) }
```

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

```
.background{ background-color: rgb(72, 139,  
237) }
```

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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