

Converting Colors

CIELCh(58, 56.127, 282.053)

Have a look what the booklet for
CIELCh(58, 56.127, 282.053)
contains.

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Color

CIELCh(58, 56.372, 282.265)

Conversions

Conversions Part 1

Format	Color
Hex	508AEC
RGB	80, 138, 236
RGB Percent	31%, 54%, 93%
CMY	0.6860, 0.4586, 0.0743
CMYK	0.66, 0.42, 0.00, 0.07
HSL	218°, 80%, 62%
HSV	218°, 66%, 93%
XYZ	27.5600, 25.9610, 82.9627
YIQ	131.8300, -66.0260, 18.1820

Conversions

Conversions Part 2

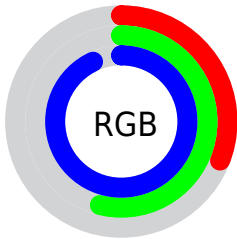
Format	Color
R _Y B	80, 122, 236
Decimal	5278444
CIE Lab	58.00, 11.98, -55.09
CIE LCh	58, 56.372, 282.265
Yxy	25.9610, 0.2019, 0.1902
Android (android.graphics.Color)	4283468524 (0xFF508AEC)
YUV	131.8300, 51.3558, -45.4549
Hunter-Lab	50.9519, 7.3852, -60.8728

Details

The CIELCh color **58, 56.372, 282.265** 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 **76, 57.867, 78.737**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 36.484, 270.781**, and **39, 55.560, 284.233** is the 20% darker color. If you saturate the color by 10%, you get **53, 65.469, 285.806**, and if you desaturate by 10%, it is **63, 47.493, 279.098**.

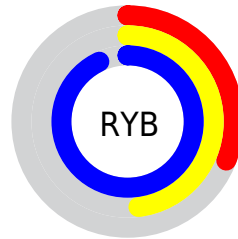
Distribution



Red (31%)

Green (54%)

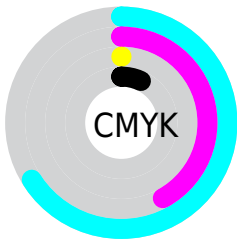
Blue (93%)



Red (31%)

Yellow (48%)

Blue (93%)

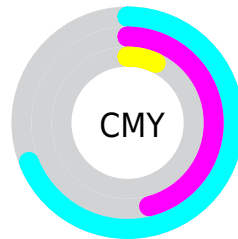


Cyan (66%)

Magenta (42%)

Yellow (0%)

Black (7%)



Cyan (69%)


Magenta (46%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 56.372, 282.265 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, 56.372, 282.265 by changing the saturation by 10% instead.


 58, 56.372,
282.265


 58, 56.372,
282.265


 100, 56.372,
282.265

 48, 56.372,
282.265


 78, 56.372,
282.265

 38, 56.372,
282.265

 88, 56.372,
282.265

 28, 56.372,
282.265

 98, 56.372,
282.265

 18, 56.372,
282.265

 8, 56.372, 282.265

 0, 56.372, 282.265

■ 58, 56.372,
282.265

■ 58, 56.372,
282.265

■ 53, 65.469,
285.806

■ 63, 47.493,
279.098

■ 48, 74.809,
289.613

■ 68, 38.783,
276.336

■ 44, 84.319,
293.491

■ 74, 30.199,
273.963

■ 43, 88.064,
294.925

■ 79, 21.714,
271.940

■ 85, 13.319,
270.222

■ 90, 5.012, 268.786

■ 96, 3.202, 87.365

■ 100, 9.586,
109.451

Harmonies

Complementary

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



58, 56.372, 282.265



76, 57.867, 78.737

Rectangle

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



58, 56.372, 282.265



58, 56.372, 332.265



58, 56.372, 102.265



58, 56.372, 152.265

Sweetspot

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



58, 56.371, 282.266



88, 17.675, 270.877



84, 57.141, 162.432



45, 12.076, 271.364



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, 56.371, 282.266



56, 72.601, 287.023



45, 91.121, 303.119



46, 4.668, 269.238



33, 70.896, 294.254



7, 25.489, 286.900

Inverse Universe

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



57, 64.319, 1.281



57, 77.482, 5.588



90, 74.850, 109.960



46, 5.499, 352.015



38, 65.978, 14.318



7, 27.875, 4.845

Previews

White Background



This preview shows how the CIELCh color 58, 56.372, 282.265 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, 56.372, 282.265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

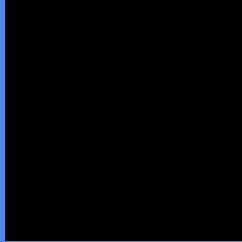
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

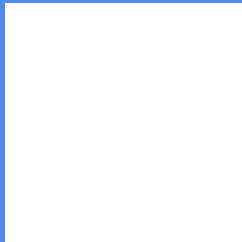
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 58, 56.372, 282.265

Background



This preview shows how black text looks on a background with the CIELCh color 58, 56.372, 282.265.



This preview shows how white text looks on a background with the CIELCh color 58, 56.372, 282.265.

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, 56.372, 282.265

Protanopia

58, 56.467, 286.567

Deuteranopia

58, 55.687, 279.294



Tritanopia
58, 30.981, 210.836

Trichromacy



Original Color
58, 56.372, 282.265

Protanomaly
58, 56.610, 285.064

Deuteranomaly
58, 56.090, 280.432

Tritanomaly
58, 33.312, 245.749

Monochromacy



Original Color
58, 56.372, 282.265

Achromatopsia
55, 0.007, 296.813

Achromatomaly
56, 21.540, 273.540

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 56.372, 282.265 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(80, 138, 236)` looks like.

```
.text, #text, p{  
    color:rgb(80, 138, 236)  
}
```

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(80, 138, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 138, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 56.372, 282.265 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(80, 138, 236) }
```

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

```
.border{ border-color:rgb(80, 138, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 138, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 138, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 138, 236);  
box-shadow:4px 4px 4px 4px rgb(80, 138,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 56.372, 282.265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 138, 236) }
```

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

```
.background{ background-color: rgb(80, 138,  
236) }
```

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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