

Converting Colors

CIELCh(57, 56.583, 278.590)

Have a look what the booklet for
CIELCh(57, 56.583, 278.590)
contains.

CIELCh(57, 56.583, 278.590)	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(57, 56.583, 278.590)

Conversions

Conversions Part 1

Format	Color
Hex	398AEB
RGB	57, 138, 235
RGB Percent	22%, 54%, 92%
CMY	0.7784, 0.4600, 0.0798
CMYK	0.76, 0.41, 0.00, 0.08
HSL	213°, 81%, 57%
HSV	213°, 76%, 92%
XYZ	25.6487, 24.9227, 81.7948
YIQ	124.8390, -79.4130, 12.9950

Conversions

Conversions Part 2

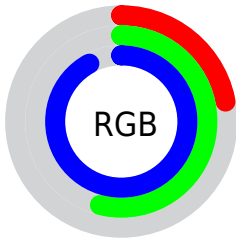
Format	Color
R_{YB}	57, 113, 235
Decimal	3771115
CIE _{Lab}	57.00, 8.45, -55.95
CIE _{LCh}	57, 56.583, 278.590
Yxy	24.9227, 0.1938, 0.1883
Android (android.graphics.Color)	4281961195 (0xFF398AEB)
YUV	124.8390, 54.3094, -59.4948
Hunter-Lab	49.9226, 4.3433, -62.1968

Details

The CIELCh color **57, 56.583, 278.590** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **70, 64.554, 69.506**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 37.952, 265.125**, and **39, 55.560, 284.233** is the 20% darker color. If you saturate the color by 10%, you get **53, 64.145, 282.749**, and if you desaturate by 10%, it is **61, 49.161, 274.801**.

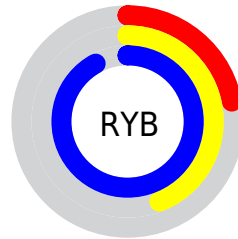
Distribution



Red (22%)

Green (54%)

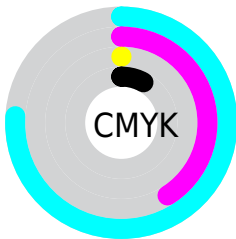
Blue (92%)



Red (22%)

Yellow (44%)

Blue (92%)

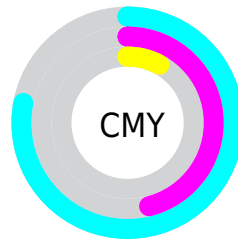


Cyan (76%)

Magenta (41%)

Yellow (0%)

Black (8%)



Cyan (78%)


Magenta (46%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 56.583, 278.590 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 57, 56.583, 278.590 by changing the saturation by 10% instead.


 57, 56.583,
278.590


 57, 56.583,
278.590


 100, 56.583,
278.590


 47, 56.583,
278.590


 77, 56.583,
278.590

 37, 56.583,
278.590

 87, 56.583,
278.590

 27, 56.583,
278.590

 97, 56.583,
278.590

 17, 56.583,
278.590

 7, 56.583, 278.590

 0, 56.583, 278.590

■ 57, 56.583,
278.590

■ 57, 56.583,
278.590

■ 53, 64.145,
282.749

■ 61, 49.161,
274.801

■ 49, 71.919,
287.097

■ 66, 41.797,
271.462

■ 48, 75.167,
288.805

■ 71, 34.424,
268.585

■ 75, 27.007,
266.139

■ 80, 19.537,
264.074

■ 85, 12.022,
262.337

■ 90, 4.479, 260.907

■ 95, 3.071, 79.439

Harmonies

Complementary

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



57, 56.583, 278.590



70, 64.554, 69.506

Rectangle

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



57, 56.583, 278.590



57, 56.583, 328.590



57, 56.583, 98.590



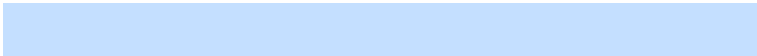
57, 56.583, 148.590

Sweetspot

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



57, 56.582, 278.591



88, 18.555, 263.554



83, 68.392, 155.744



45, 12.833, 264.229



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



57, 56.582, 278.591



55, 72.826, 285.128



38, 104.901, 303.553



47, 4.293, 261.374



37, 60.831, 288.047



8, 22.235, 280.305

Inverse Universe

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



54, 71.989, 357.633



56, 82.906, 3.162



90, 81.764, 105.320



46, 5.789, 346.886



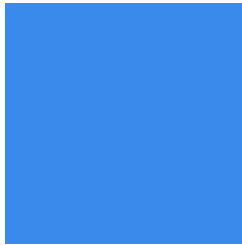
39, 65.283, 6.176



8, 28.248, 358.650

Previews

White Background



This preview shows how the CIE LCh color 57, 56.583, 278.590 looks on a white background.

Color Contrast Check

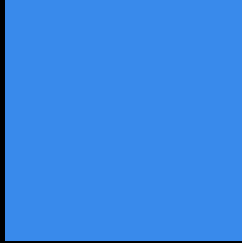
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 56.583, 278.590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

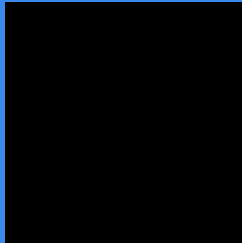
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

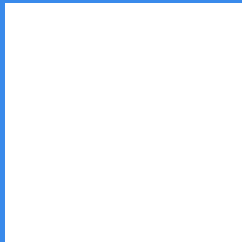
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 57, 56.583, 278.590

Background



This preview shows how black text looks on a background with the CIELCh color 57, 56.583, 278.590.



This preview shows how white text looks on a background with the CIELCh color 57, 56.583, 278.590.

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





Tritanopia
57, 32.756, 207.831

Trichromacy



Original Color
57, 56.583, 278.590

Protanomaly
57, 55.883, 283.001

Deuteranomaly
57, 57.088, 279.245

Tritanomaly
56, 34.830, 241.739

Monochromacy



Original Color
57, 56.583, 278.590

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 22.096, 266.186

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 56.583, 278.590 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(57, 138, 235)` looks like.

```
.text, #text, p{  
    color:rgb(57, 138, 235)  
}
```

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(57, 138, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 138, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 56.583, 278.590 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(57, 138, 235) }
```

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

```
.border{ border-color:rgb(57, 138, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 138, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 138, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 138, 235);  
box-shadow:4px 4px 4px 4px rgb(57, 138,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 56.583, 278.590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 138, 235) }
```

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

```
.background{ background-color: rgb(57, 138,  
235) }
```

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