

Converting Colors

CIELCh(57, 62.452, 278.228)

Have a look what the booklet for
CIELCh(57, 62.452, 278.228)
contains.

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Color

CIELCh(57, 62.510, 278.320)

Conversions

Conversions Part 1

Format	Color
Hex	0C8AF5
RGB	12, 138, 245
RGB Percent	5%, 54%, 96%
CMY	0.9516, 0.4580, 0.0383
CMYK	0.95, 0.44, 0.00, 0.04
HSL	208°, 92%, 51%
HSV	208°, 95%, 96%
XYZ	25.7904, 24.9227, 90.0246
YIQ	112.5240, -109.4430, 6.5650

Conversions

Conversions Part 2

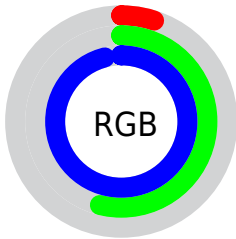
Format	Color
R_{YB}	12, 94, 245
Decimal	822005
CIE Lab	57.00, 9.05, -61.85
CIE LCh	57, 62.510, 278.320
Yxy	24.9227, 0.1833, 0.1771
Android (android.graphics.Color)	4279012085 (0xFF0C8AF5)
YUV	112.5240, 65.3107, -88.1595
Hunter-Lab	49.9226, 4.8499, -71.9708

Details

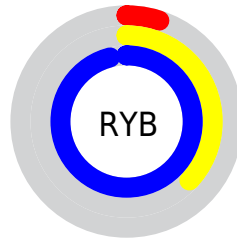
The CIELCh color **57, 62.510, 278.320** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **64, 81.990, 58.035**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 39.523, 260.431**, and **39, 60.618, 286.630** is the 20% darker color. If you saturate the color by 10%, you get **55, 65.678, 280.709**, and if you desaturate by 10%, it is **60, 56.400, 273.545**.

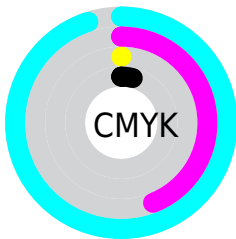
Distribution



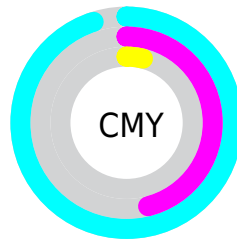
- Red (5%)
- Green (54%)
- Blue (96%)



- Red (5%)
- Yellow (37%)
- Blue (96%)



- Cyan (95%)
- Magenta (44%)
- Yellow (0%)
- Black (4%)





- Cyan (95%)
- Magenta (46%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 62.510, 278.320 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, 62.510, 278.320 by changing the saturation by 10% instead.


 57, 62.510,
278.320


 57, 62.510,
278.320


 100, 62.510,
278.320


 47, 62.510,
278.320


 77, 62.510,
278.320

 37, 62.510,
278.320

 87, 62.510,
278.320

 27, 62.510,
278.320

 97, 62.510,
278.320

 17, 62.510,
278.320

 7, 62.510, 278.320

 0, 62.510, 278.320

■ 57, 62.510,
278.320

■ 57, 62.510,
278.320

■ 55, 65.678,
280.709

■ 60, 56.400,
273.545

■ 64, 50.380,
269.116

■ 68, 44.307,
265.184

■ 72, 38.071,
261.798

■ 76, 31.613,
258.939

■ 81, 24.919,
256.553

■ 85, 18.005,
254.572

■ 90, 10.903,

252.934

■ 94, 3.654, 251.638

Harmonies

Complementary

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



57, 62.510, 278.320



64, 81.990, 58.035

Rectangle

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



57, 62.510, 278.320



57, 62.510, 328.320



57, 62.510, 98.320



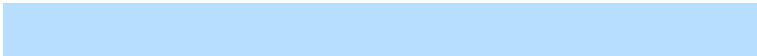
57, 62.510, 148.320

Sweetspot

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



57, 62.509, 278.322



87, 20.766, 255.144



85, 88.989, 147.461



44, 14.263, 256.004



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, 62.509, 278.322



57, 67.784, 280.815



33, 124.995, 305.376



49, 4.153, 252.171



42, 52.549, 279.830



11, 20.638, 272.210

Inverse Universe

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



54, 82.533, 357.072



55, 85.302, 359.053



91, 89.864, 99.742



48, 6.344, 342.260



40, 67.498, 358.234



9, 30.686, 352.811

Previews

White Background



This preview shows how the CIE LCh color 57, 62.510, 278.320 looks on a white background.

Color Contrast Check

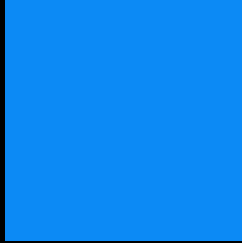
Large Text (above 18pt) WCAG AA ✓ Pass

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, 62.510, 278.320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

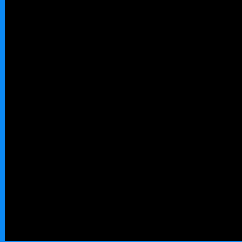
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

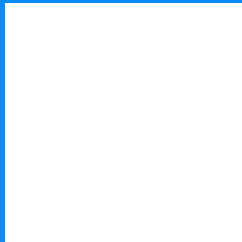
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 57, 62.510, 278.320

Background



This preview shows how black text looks on a background with the CIELCh color 57, 62.510, 278.320.



This preview shows how white text looks on a background with the CIELCh color 57, 62.510, 278.320.

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

57, 62.503, 278.346

Protanopia

57, 61.214, 286.716

Deuteranopia

57, 62.530, 278.246



Tritanopia
57, 32.811, 206.763

Trichromacy



Original Color
57, 62.503, 278.346

Protanomaly
56, 61.842, 282.405

Deuteranomaly
57, 62.517, 278.295

Tritanomaly
56, 36.481, 244.374

Monochromacy



Original Color
57, 62.503, 278.346

Achromatopsia
48, 0.006, 296.813

Achromatomaly
50, 26.089, 260.614

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 62.510, 278.320 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(12, 138, 245)` looks like.

```
.text, #text, p{  
    color:rgb(12, 138, 245)  
}
```

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(12, 138, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 138, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 62.510, 278.320 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(12, 138, 245) }
```

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

```
.border{ border-color:rgb(12, 138, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 138, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 138, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 138, 245);  
box-shadow:4px 4px 4px 4px rgb(12, 138,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 62.510, 278.320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 138, 245) }
```

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

```
.background{ background-color: rgb(12, 138,  
245) }
```

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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