

Converting Colors

CIELCh(48, 85.211, 246.191)

Have a look what the booklet for
CIELCh(48, 85.211, 246.191)
contains.

CIELCh(57, 64.137, 279.101)	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, 64.137, 279.101)

Conversions

Conversions Part 1

Format	Color
Hex	058AF8
RGB	5, 138, 248
RGB Percent	2%, 54%, 97%
CMY	0.9786, 0.4596, 0.0278
CMYK	0.98, 0.44, 0.00, 0.03
HSL	207°, 96%, 50%
HSV	207°, 98%, 97%
XYZ	26.0541, 24.9227, 92.1671
YIQ	110.7730, -114.5780, 6.0140

Conversions

Conversions Part 2

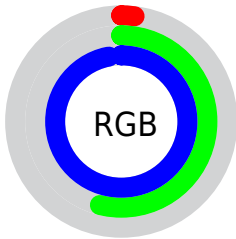
Format	Color
RYB	5, 91, 248
Decimal	363256
CIELab	57.00, 10.14, -63.33
CIELCh	57, 64.137, 279.101
Yxy	24.9227, 0.1820, 0.1741
Android (android.graphics.Color)	4278553336 (0xFF058AF8)
YUV	110.7730, 67.6529, -92.7629
Hunter-Lab	49.9226, 5.7929, -74.5154

Details

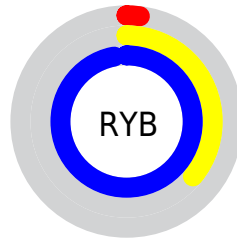
The CIELCh color **57, 64.137, 279.101** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **64, 84.394, 56.801**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 39.523, 260.431**, and **39, 62.305, 287.340** is the 20% darker color. If you saturate the color by 10%, you get **56, 65.519, 280.132**, and if you desaturate by 10%, it is **60, 58.042, 274.256**.

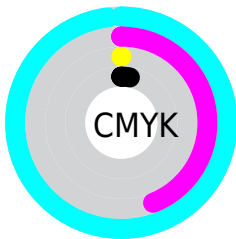
Distribution



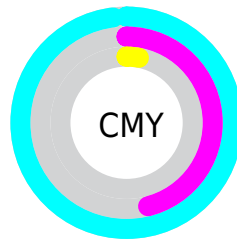
- Red (2%)
- Green (54%)
- Blue (97%)



- Red (2%)
- Yellow (36%)
- Blue (97%)



- Cyan (98%)
- Magenta (44%)
- Yellow (0%)
- Black (3%)





- Cyan (98%)
- Magenta (46%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 64.137, 279.101 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, 64.137, 279.101 by changing the saturation by 10% instead.


 57, 64.137,
279.101


 57, 64.137,
279.101


 100, 64.137,
279.101


 47, 64.137,
279.101


 77, 64.137,
279.101

 37, 64.137,
279.101

 87, 64.137,
279.101

 27, 64.137,
279.101

 97, 64.137,
279.101

 17, 64.137,
279.101

 7, 64.137, 279.101

 0, 64.137, 279.101

■ 57, 64.137,
279.101

■ 57, 64.137,
279.101

■ 56, 65.519,
280.132

■ 60, 58.042,
274.256

■ 64, 52.076,
269.689

■ 68, 46.081,
265.596

■ 72, 39.933,
262.050

■ 76, 33.559,
259.048

■ 80, 26.933,
256.538

■ 85, 20.067,
254.456

■ 89, 12.993,

252.734

■ 94, 5.749, 251.336

Harmonies

Complementary

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



57, 64.137, 279.101



64, 84.394, 56.801

Rectangle

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



57, 64.137, 279.101



57, 64.137, 329.101



57, 64.137, 99.101



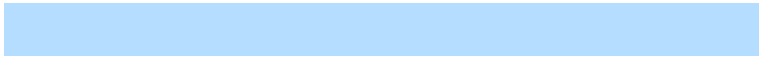
57, 64.137, 149.101

Sweetspot

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



57, 64.137, 279.103



86, 21.384, 254.693



86, 91.300, 146.806



44, 14.594, 255.555



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, 64.137, 279.103



58, 67.030, 280.209



32, 127.864, 305.689



50, 4.209, 251.549



43, 52.549, 279.266



12, 21.153, 272.005

Inverse Universe

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



54, 83.504, 357.664



55, 85.425, 358.545



92, 91.059, 99.617



49, 6.476, 341.986



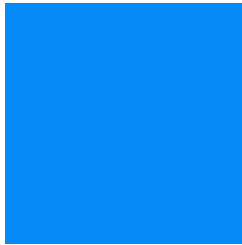
41, 68.282, 357.778



10, 31.565, 352.684

Previews

White Background



This preview shows how the CIE LCh color 57, 64.137, 279.101 looks on a white background.

Color Contrast Check

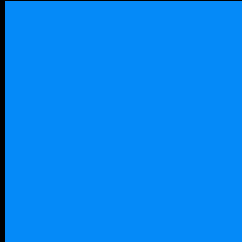
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 64.137, 279.101 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

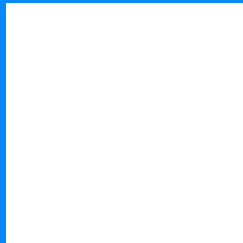
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 57, 64.137, 279.101

Background



This preview shows how black text looks on a background with the CIELCh color 57, 64.137, 279.101.



This preview shows how white text looks on a background with the CIELCh color 57, 64.137, 279.101.

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

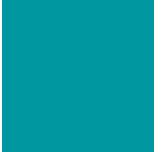
57, 64.074, 279.018

Protanopia

57, 62.885, 286.921

Deuteranopia

57, 62.585, 278.052



Tritanopia
57, 32.811, 206.763

Trichromacy



Original Color
57, 64.074, 279.018

Protanomaly
56, 63.514, 282.677

Deuteranomaly
57, 63.078, 278.387

Tritanomaly
57, 36.824, 245.135

Monochromacy



Original Color
57, 64.074, 279.018

Achromatopsia
47, 0.006, 296.813

Achromatomaly
49, 26.798, 260.627

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 64.137, 279.101 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(5, 138, 248)` looks like.

```
.text, #text, p{  
    color:rgb(5, 138, 248)  
}
```

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(5, 138, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 138, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 64.137, 279.101 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(5, 138, 248) }
```

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

```
.border{ border-color:rgb(5, 138, 248) }
```

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

Here you see how a box with a 4 pixel rgb(5, 138, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 138, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 138, 248);  
box-shadow:4px 4px 4px 4px rgb(5, 138,  
248) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 64.137, 279.101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 138, 248) }
```

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

```
.background{ background-color: rgb(5, 138,  
248) }
```

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