

Converting Colors

CIELCh(57, 68.788, 281.622)

Have a look what the booklet for
CIELCh(57, 68.788, 281.622)
contains.

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Color

CIELCh(57, 68.777, 281.664)

Conversions

Conversions Part 1

Format	Color
Hex	0488FF
RGB	4, 136, 255
RGB Percent	2%, 53%, 100%
CMY	0.9827, 0.4659, 0.0000
CMYK	0.98, 0.47, 0.00, 0.00
HSL	208°, 100%, 51%
HSV	208°, 98%, 100%
XYZ	26.9695, 24.9227, 98.1790
YIQ	110.0980, -116.8710, 9.0250

Conversions

Conversions Part 2

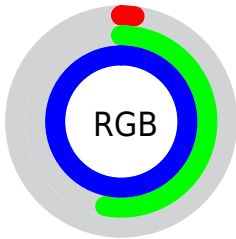
Format	Color
R _Y B	4, 91, 255
Decimal	297215
CIE Lab	57.00, 13.90, -67.36
CIE LCh	57, 68.777, 281.664
Yxy	24.9227, 0.1797, 0.1661
Android (android.graphics.Color)	4278487295 (0xFF0488FF)
YUV	110.0980, 71.4367, -93.0479
Hunter-Lab	49.9226, 9.0657, -81.6552

Details

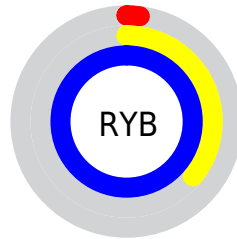
The CIELCh color **57, 68.777, 281.664** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **66, 85.712, 58.176**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **74, 40.018, 262.696**, and **39, 66.960, 289.479** is the 20% darker color. If you saturate the color by 10%, you get **56, 69.867, 282.405**, and if you desaturate by 10%, it is **61, 61.932, 276.859**.

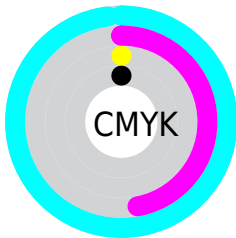
Distribution



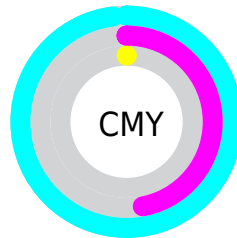
- Red (2%)
- Green (53%)
- Blue (100%)



- Red (2%)
- Yellow (36%)
- Blue (100%)



- Cyan (98%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)



- Cyan (98%)
- Magenta (47%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 68.777, 281.664 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, 68.777, 281.664 by changing the saturation by 10% instead.

 57, 68.777,
281.664

 57, 68.777,
281.664

 100, 68.777,
281.664

 47, 68.777,
281.664

 77, 68.777,
281.664

 37, 68.777,
281.664

 87, 68.777,
281.664

 27, 68.777,
281.664

 97, 68.777,
281.664

 17, 68.777,
281.664

 7, 68.777, 281.664

 0, 68.777, 281.664

■ 57, 68.777,
281.664

■ 57, 68.777,
281.664

■ 56, 69.867,
282.405

■ 61, 61.932,
276.859

■ 64, 55.376,
272.325

■ 68, 48.851,
268.227

■ 73, 42.232,
264.652

■ 77, 35.438,
261.605

■ 82, 28.437,
259.046

■ 86, 21.230,
256.912

■ 91, 13.845,

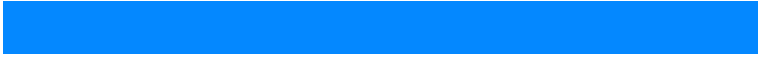
255.140

■ 96, 6.315, 253.689

Harmonies

Complementary

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



57, 68.777, 281.664



66, 85.712, 58.176

Rectangle

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



57, 68.777, 281.664



57, 68.777, 331.664



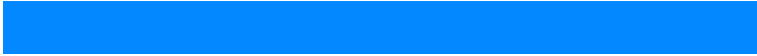
57, 68.777, 101.664



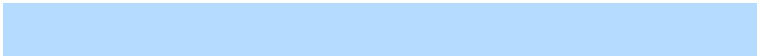
57, 68.777, 151.664

Sweetspot

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



57, 68.665, 281.614



86, 21.764, 257.055



88, 92.104, 147.429



44, 14.869, 257.930



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, 68.665, 281.614



56, 69.867, 282.405



33, 131.769, 305.914



51, 4.339, 253.850



43, 55.338, 281.533



13, 22.652, 274.780

Inverse Universe

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



55, 84.877, 359.756



55, 85.006, 0.444



95, 94.238, 100.722



50, 6.495, 343.024



41, 68.594, 359.671



11, 32.136, 354.478

Previews

White Background



This preview shows how the CIE LCh color 57, 68.777, 281.664 looks on a white background.

Color Contrast Check

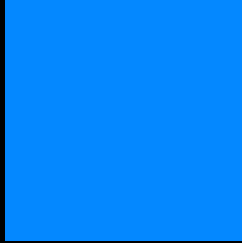
Large Text (above 18pt) WCAG AA ✓ Pass

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, 68.777, 281.664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

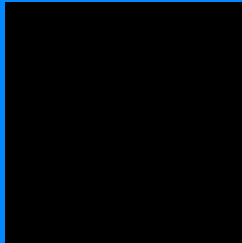
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

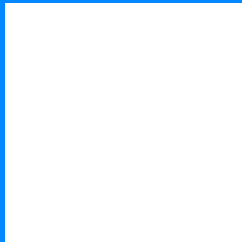
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 57, 68.777, 281.664

Background



This preview shows how black text looks on a background with the CIELCh color 57, 68.777, 281.664.



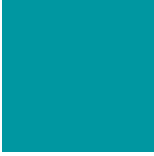
This preview shows how white text looks on a background with the CIELCh color 57, 68.777, 281.664.

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, 32.811, 206.763

Trichromacy



Original Color
57, 68.772, 281.685

Protanomaly
57, 67.844, 283.901

Deuteranomaly
57, 63.585, 278.670

Tritanomaly
57, 37.434, 246.787

Monochromacy



Original Color
57, 68.772, 281.685

Achromatopsia
46, 0.006, 296.813

Achromatomaly
49, 28.214, 263.168

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 68.777, 281.664 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(4, 136, 255)` looks like.

```
.text, #text, p{  
    color:rgb(4, 136, 255)  
}
```

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(4, 136, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 136, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 68.777, 281.664 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(4, 136, 255) }
```

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

```
.border{ border-color:rgb(4, 136, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 136, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 136, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 136, 255);  
box-shadow:4px 4px 4px 4px rgb(4, 136,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 68.777, 281.664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 136, 255) }
```

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

```
.background{ background-color: rgb(4, 136,  
255) }
```

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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