

Converting Colors

CIELCh(48, 88.627, 292.964)

Have a look what the booklet for
CIELCh(48, 88.627, 292.964)
contains.

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Color

CIELCh(48, 88.625, 292.963)

Conversions

Conversions Part 1

Format	Color
Hex	0067FF
RGB	0, 103, 255
RGB Percent	0%, 40%, 100%
CMY	1.0000, 0.5976, 0.0018
CMYK	1.00, 0.60, 0.00, 0.00
HSL	216°, 100%, 50%
HSV	216°, 100%, 100%
XYZ	22.7485, 16.7945, 96.2528
YIQ	89.5310, -110.1800, 25.4360

Conversions

Conversions Part 2

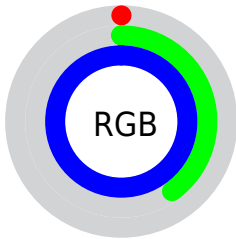
Format	Color
R _Y B	0, 73, 255
Decimal	26623
CIE Lab	48.00, 34.58, -81.60
CIE LCh	48, 88.625, 292.963
Yxy	16.7945, 0.1675, 0.1237
Android (android.graphics.Color)	4278216703 (0xFF0067FF)
YUV	89.5310, 81.5762, -78.5187
Hunter-Lab	40.9810, 27.3682, -110.5686

Details

The CIELCh color **48, 88.625, 292.963** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **72, 82.847, 68.371**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 57.003, 285.779**, and **32, 85.845, 298.777** is the 20% darker color. If you saturate the color by 10%, you get **48, 88.613, 293.013**, and if you desaturate by 10%, it is **52, 79.070, 289.014**.

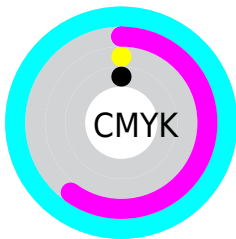
Distribution



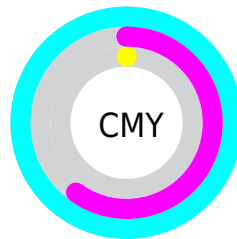
- Red (0%)
- Green (40%)
- Blue (100%)



- Red (0%)
- Yellow (29%)
- Blue (100%)



- Cyan (100%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (60%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 88.625, 292.963 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 48, 88.625, 292.963 by changing the saturation by 10% instead.

 48, 88.625,
292.963

 48, 88.625,
292.963


 100, 88.625,
292.963

 38, 88.625,
292.963

 68, 88.625,
292.963

 28, 88.625,
292.963

 78, 88.625,
292.963


 18, 88.625,
292.963


 88, 88.625,
292.963

 8, 88.625, 292.963

 98, 88.625,
292.963

 0, 88.625, 292.963

 48, 88.625,

 48, 88.625,

292.963

■ 48, 88.613,
293.013

292.963

■ 52, 79.070,
289.014

■ 57, 69.720,
284.978

■ 62, 60.611,
281.176

■ 67, 51.707,
277.747

■ 72, 42.940,
274.743

■ 78, 34.257,
272.160

■ 83, 25.627,
269.960

■ 89, 17.040,
268.097

Harmonies

Complementary

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



48, 88.625, 292.963



72, 82.847, 68.371

Rectangle

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



48, 88.625, 292.963



48, 88.625, 342.963



48, 88.625, 112.963



48, 88.625, 162.963

Sweetspot

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



48, 88.613, 293.013



83, 25.666, 269.961



89, 81.972, 153.254



42, 17.529, 270.845



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 88.613, 293.013



48, 88.747, 293.017



33, 133.205, 306.481



50, 4.838, 266.456



36, 70.171, 292.296



10, 28.196, 286.550

Inverse Universe

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



54, 84.829, 12.505



54, 84.949, 12.510



95, 97.283, 108.061



50, 5.999, 350.040



41, 68.288, 11.503



10, 31.307, 4.522

Previews

White Background



This preview shows how the CIELCh color 48, 88.625, 292.963 looks on a white background.

Color Contrast Check

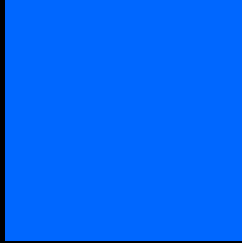
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 48, 88.625, 292.963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

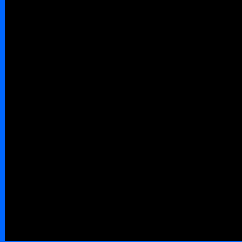
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 88.625, 292.963

Background



This preview shows how black text looks on a background with the CIELCh color 48, 88.625, 292.963.



This preview shows how white text looks on a background with the CIELCh color 48, 88.625, 292.963.

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

48, 88.625, 292.963

Protanopia

48, 71.914, 287.379

Deuteranopia

48, 50.319, 274.513



Tritanopia
48, 28.876, 204.902

Trichromacy



Original Color
48, 88.625, 292.963

Protanomaly
48, 78.033, 289.677

Deuteranomaly
48, 64.206, 283.937

Tritanomaly
47, 39.728, 262.851

Monochromacy



Original Color
48, 88.625, 292.963

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 34.463, 277.685

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 88.625, 292.963 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(0, 103, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 103, 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(0, 103, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 103, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 88.625, 292.963 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(0, 103, 255) }
```

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

```
.border{ border-color:rgb(0, 103, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 103, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 103, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 103, 255); box-shadow:4px 4px 4px 4px rgb(0, 103, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 88.625, 292.963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 103, 255) }
```

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

```
.background{ background-color: rgb(0, 103,  
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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