

Converting Colors

CIELCh(41, 83.288, 270.897)

Have a look what the booklet for
CIELCh(41, 83.288, 270.897)
contains.

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Color

CIELCh(48, 77.027, 289.530)

Conversions

Conversions Part 1

Format	Color
Hex	086BEE
RGB	8, 107, 238
RGB Percent	3%, 42%, 93%
CMY	0.9685, 0.5798, 0.0651
CMYK	0.97, 0.55, 0.00, 0.07
HSL	214°, 93%, 48%
HSV	214°, 97%, 93%
XYZ	20.8629, 16.7945, 83.3293
YIQ	92.3330, -101.0550, 19.7530

Conversions

Conversions Part 2

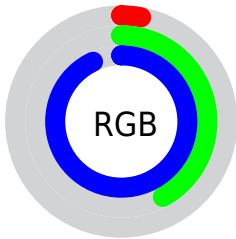
Format	Color
RYB	8, 77, 238
Decimal	551918
CIELab	48.00, 25.75, -72.60
CIELCh	48, 77.027, 289.530
Yxy	16.7945, 0.1724, 0.1388
Android (android.graphics.Color)	4278741998 (0xFF086BEE)
YUV	92.3330, 71.8138, -73.9600
Hunter-Lab	40.9810, 19.1553, -91.8713

Details

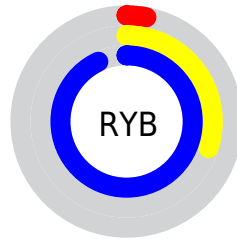
The CIELCh color **48, 77.027, 289.530** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **67, 78.029, 66.973**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 54.396, 282.518**, and **31, 75.064, 296.339** is the 20% darker color. If you saturate the color by 10%, you get **47, 79.925, 290.883**, and if you desaturate by 10%, it is **52, 68.591, 285.320**.

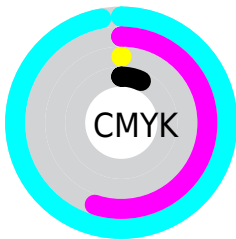
Distribution



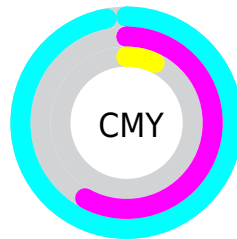
- Red (3%)
- Green (42%)
- Blue (93%)



- Red (3%)
- Yellow (30%)
- Blue (93%)



- Cyan (97%)
- Magenta (55%)
- Yellow (0%)
- Black (7%)



- Cyan (97%)
- Magenta (58%)
- Yellow (7%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 77.027, 289.530 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, 77.027, 289.530 by changing the saturation by 10% instead.

 48, 77.027,
289.530


 48, 77.027,
289.530


 100, 77.027,
289.530


 38, 77.027,
289.530

 68, 77.027,
289.530


 28, 77.027,
289.530

 78, 77.027,
289.530

 18, 77.027,
289.530

 88, 77.027,
289.530

 8, 77.027, 289.530

 98, 77.027,
289.530

 0, 77.027, 289.530

 48, 77.027,

 48, 77.027,

289.530

289.530

■ 47, 79.925,
290.883

■ 52, 68.591,
285.320

■ 56, 60.376,
281.244

■ 61, 52.352,
277.494

■ 66, 44.445,
274.166

■ 70, 36.591,
271.284

■ 75, 28.748,
268.823

■ 81, 20.899,
266.737

■ 86, 13.045,
264.976

Harmonies

Complementary

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



48, 77.027, 289.530



67, 78.029, 66.973

Rectangle

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



48, 77.027, 289.530



48, 77.027, 339.530



48, 77.027, 109.530



48, 77.027, 159.530

Sweetspot

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



48, 77.027, 289.532



84, 24.039, 267.222



84, 77.877, 153.118



43, 16.495, 268.108



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, 77.027, 289.532



50, 84.433, 291.041



31, 125.290, 306.260



47, 4.476, 263.897



36, 64.575, 290.160



9, 24.162, 283.108

Inverse Universe

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



51, 79.701, 7.979



54, 84.578, 9.825



90, 91.784, 106.950



47, 5.798, 348.385



39, 66.014, 8.702



8, 28.955, 1.087

Previews

White Background



This preview shows how the CIE LCh color 48, 77.027, 289.530 looks on a white background.

Color Contrast Check

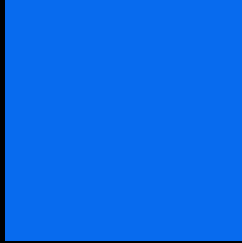
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.027, 289.530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

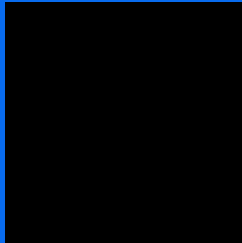
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

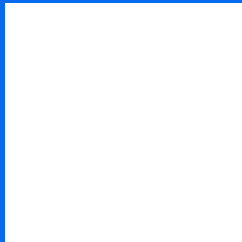
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 77.027, 289.530

Background



This preview shows how black text looks on a background with the CIELCh color 48, 77.027, 289.530.



This preview shows how white text looks on a background with the CIELCh color 48, 77.027, 289.530.

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, 76.912, 289.520

Protanopia

48, 72.457, 287.569

Deuteranopia

48, 50.828, 274.917



Tritanopia
48, 28.802, 206.154

Trichromacy



Original Color
48, 76.912, 289.520

Protanomaly
48, 74.143, 288.377

Deuteranomaly
48, 59.793, 281.482

Tritanomaly
47, 36.769, 257.504

Monochromacy



Original Color
48, 76.912, 289.520

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 29.896, 272.980

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 77.027, 289.530 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(8, 107, 238)` looks like.

```
.text, #text, p{  
    color:rgb(8, 107, 238)  
}
```

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(8, 107, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 107, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 77.027, 289.530 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(8, 107, 238) }
```

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

```
.border{ border-color:rgb(8, 107, 238) }
```

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

Here you see how a box with a 4 pixel rgb(8, 107, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 107, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 107, 238);  
box-shadow:4px 4px 4px 4px rgb(8, 107,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 77.027, 289.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 107, 238) }
```

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

```
.background{ background-color: rgb(8, 107,  
238) }
```

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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