

Converting Colors

CIELCh(46, 77.919, 290.863)

Have a look what the booklet for
CIELCh(46, 77.919, 290.863)
contains.

CIELCh(46, 77.918, 290.864)	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(46, 77.918, 290.864)

Conversions

Conversions Part 1

Format	Color
Hex	0D65E9
RGB	13, 101, 233
RGB Percent	5%, 40%, 91%
CMY	0.9493, 0.6040, 0.0864
CMYK	0.94, 0.57, 0.00, 0.09
HSL	216°, 89%, 48%
HSV	216°, 94%, 91%
XYZ	19.5191, 15.2687, 78.9865
YIQ	89.7360, -94.8200, 22.3960

Conversions

Conversions Part 2

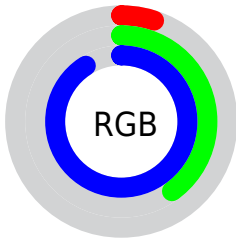
Format	Color
R _Y B	13, 76, 233
Decimal	878057
CIE Lab	46.00, 27.75, -72.81
CIE LCh	46, 77.918, 290.864
Yxy	15.2687, 0.1716, 0.1342
Android (android.graphics.Color)	4279068137 (0xFF0D65E9)
YUV	89.7360, 70.6292, -67.2975
Hunter-Lab	39.0751, 20.7839, -92.4963

Details

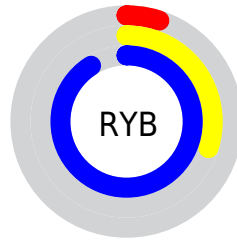
The CIELCh color **46, 77.918, 290.864** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **68, 75.566, 70.403**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 58.245, 285.822**, and **29, 75.563, 297.297** is the 20% darker color. If you saturate the color by 10%, you get **44, 82.894, 293.021**, and if you desaturate by 10%, it is **50, 69.074, 286.829**.

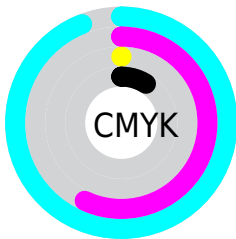
Distribution



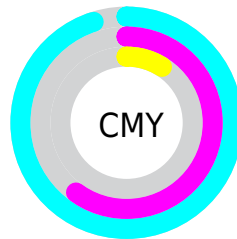
- Red (5%)
- Green (40%)
- Blue (91%)



- Red (5%)
- Yellow (30%)
- Blue (91%)



- Cyan (94%)
- Magenta (57%)
- Yellow (0%)
- Black (9%)



- Cyan (95%)
- Magenta (60%)
- Yellow (9%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 77.918, 290.864 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 46, 77.918, 290.864 by changing the saturation by 10% instead.

 46, 77.918,
290.864


 46, 77.918,
290.864


 100, 77.918,
290.864

 36, 77.918,
290.864

 66, 77.918,
290.864

 26, 77.918,
290.864

 76, 77.918,
290.864

 16, 77.918,
290.864

 86, 77.918,
290.864

 6, 77.918, 290.864

 96, 77.918,
290.864

 0, 77.918, 290.864

 46, 77.918,

 46, 77.918,

290.864

■ 44, 82.894,
293.021

290.864

■ 50, 69.074,
286.829

■ 55, 60.444,
282.942

■ 59, 52.027,
279.374

■ 64, 43.770,
276.213

■ 69, 35.614,
273.473

■ 74, 27.524,
271.131

■ 80, 19.480,
269.140

■ 85, 11.480,
267.454

Harmonies

Complementary

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



46, 77.918, 290.864



68, 75.566, 70.403

Rectangle

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



46, 77.918, 290.864



46, 77.918, 340.864



46, 77.918, 110.864



46, 77.918, 160.864

Sweetspot

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



46, 77.918, 290.866



84, 24.027, 269.836



82, 74.141, 154.643



43, 16.608, 270.711



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 77.918, 290.866



48, 89.227, 293.225



31, 121.885, 306.235



46, 4.532, 266.720



34, 67.453, 292.346



7, 24.416, 285.017

Inverse Universe

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



50, 78.039, 9.698



54, 85.003, 12.807



88, 89.909, 107.883



46, 5.592, 350.218



38, 65.568, 11.572



7, 27.960, 2.850

Previews

White Background



This preview shows how the CIE LCh color 46, 77.918, 290.864 looks on a white background.

Color Contrast Check

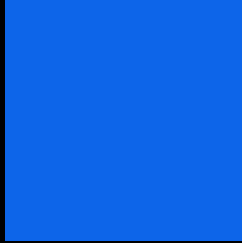
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 77.918, 290.864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

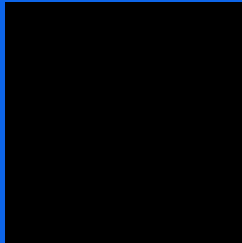
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

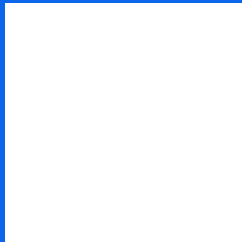
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 77.918, 290.864

Background



This preview shows how black text looks on a background with the CIELCh color 46, 77.918, 290.864.



This preview shows how white text looks on a background with the CIELCh color 46, 77.918, 290.864.

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


46, 77.918, 290.864

Protanopia

46, 69.543, 287.370

Deuteranopia

46, 48.843, 274.578



Tritanopia
46, 27.787, 206.603

Trichromacy



Original Color
46, 77.918, 290.864

Protanomaly
46, 72.328, 288.647

Deuteranomaly
46, 59.517, 282.632

Tritanomaly
45, 36.385, 259.499

Monochromacy



Original Color
46, 77.918, 290.864

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 30.264, 276.199

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 77.918, 290.864 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(13, 101, 233)` looks like.

```
.text, #text, p{  
    color:rgb(13, 101, 233)  
}
```

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(13, 101, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 101, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 77.918, 290.864 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(13, 101, 233) }
```

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

```
.border{ border-color:rgb(13, 101, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 101, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 101, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 101, 233);  
box-shadow:4px 4px 4px 4px rgb(13, 101,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 77.918, 290.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 101, 233) }
```

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

```
.background{ background-color: rgb(13, 101,  
233) }
```

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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