

Converting Colors

CIELCh(46, 86.560, 293.636)

Have a look what the booklet for
CIELCh(46, 86.560, 293.636)
contains.

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Color

CIELCh(46, 86.939, 293.749)

Conversions

Conversions Part 1

Format	Color
Hex	1161F5
RGB	17, 97, 245
RGB Percent	7%, 38%, 96%
CMY	0.9327, 0.6195, 0.0391
CMYK	0.93, 0.60, 0.00, 0.04
HSL	219°, 92%, 51%
HSV	219°, 93%, 96%
XYZ	20.9965, 15.2687, 88.2513
YIQ	89.9520, -95.1880, 29.0680

Conversions

Conversions Part 2

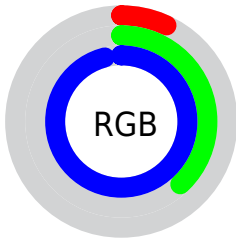
Format	Color
R _Y B	17, 76, 245
Decimal	1139189
CIE Lab	46.00, 35.01, -79.58
CIE LCh	46, 86.939, 293.749
Yxy	15.2687, 0.1686, 0.1226
Android (android.graphics.Color)	4279329269 (0xFF1161F5)
YUV	89.9520, 76.4387, -63.9789
Hunter-Lab	39.0751, 27.5329, -106.5540

Details

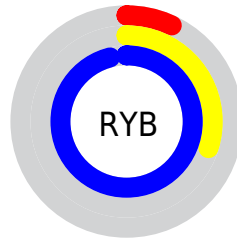
The CIELCh color **46, 86.939, 293.749** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **74, 78.081, 75.311**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 60.414, 288.354**, and **30, 84.210, 299.423** is the 20% darker color. If you saturate the color by 10%, you get **43, 94.057, 296.283**, and if you desaturate by 10%, it is **51, 76.766, 289.974**.

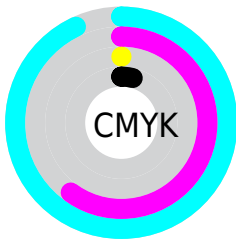
Distribution



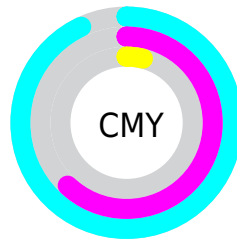
- Red (7%)
- Green (38%)
- Blue (96%)



- Red (7%)
- Yellow (30%)
- Blue (96%)



- Cyan (93%)
- Magenta (60%)
- Yellow (0%)
- Black (4%)





- Cyan (93%)
- Magenta (62%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 86.939, 293.749 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, 86.939, 293.749 by changing the saturation by 10% instead.


 46, 86.939,
293.749


 46, 86.939,
293.749


 100, 86.939,
293.749


 36, 86.939,
293.749

 66, 86.939,
293.749


 26, 86.939,
293.749

 76, 86.939,
293.749


 16, 86.939,
293.749


 86, 86.939,
293.749

 6, 86.939, 293.749

 96, 86.939,
293.749

 0, 86.939, 293.749

 46, 86.939,

 46, 86.939,

293.749

■ 43, 94.057,
296.283

293.749

■ 51, 76.766,
289.974

■ 56, 66.774,
286.307

■ 61, 57.048,
282.926

■ 66, 47.570,
279.919

■ 72, 38.293,
277.305

■ 78, 29.176,
275.064

■ 83, 20.195,
273.154

■ 89, 11.337,
271.532

Harmonies

Complementary

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



46, 86.939, 293.749



74, 78.081, 75.311

Rectangle

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



46, 86.939, 293.749



46, 86.939, 343.749



46, 86.939, 113.749



46, 86.939, 163.749

Sweetspot

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



46, 86.940, 293.751



83, 25.489, 274.083



86, 72.242, 158.114



42, 17.649, 274.939



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, 86.940, 293.751



45, 97.159, 296.363



33, 125.352, 306.504



48, 4.945, 271.028



33, 75.155, 295.637



8, 28.680, 289.661

Inverse Universe

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



53, 81.391, 13.721



54, 86.289, 17.647



92, 93.727, 110.710



48, 5.627, 353.399



39, 67.813, 16.465



9, 29.615, 7.786

Previews

White Background



This preview shows how the CIE LCh color 46, 86.939, 293.749 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 CIELCh color 46, 86.939, 293.749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

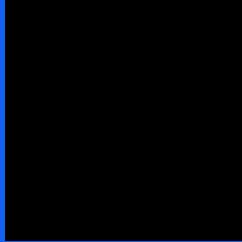
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

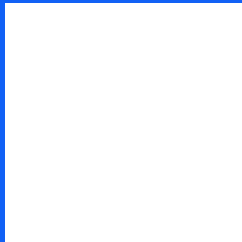
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 86.939, 293.749

Background



This preview shows how black text looks on a background with the CIELCh color 46, 86.939, 293.749.



This preview shows how white text looks on a background with the CIELCh color 46, 86.939, 293.749.

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, 86.939, 293.749

Protanopia

46, 69.543, 287.370

Deuteranopia

46, 48.331, 274.151



Tritanopia
46, 27.858, 205.294

Trichromacy



Original Color
46, 86.939, 293.749

Protanomaly
46, 76.313, 290.239

Deuteranomaly
46, 61.733, 283.954

Tritanomaly
45, 38.522, 263.414

Monochromacy



Original Color
46, 86.939, 293.749

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 32.962, 280.005

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 86.939, 293.749 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(17, 97, 245)` looks like.

```
.text, #text, p{  
    color:rgb(17, 97, 245)  
}
```

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(17, 97, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 97, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 86.939, 293.749 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(17, 97, 245) }
```

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

```
.border{ border-color:rgb(17, 97, 245) }
```

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

Here you see how a box with a 4 pixel rgb(17, 97, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 97, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 97, 245);  
box-shadow:4px 4px 4px 4px rgb(17, 97,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 86.939, 293.749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 97, 245) }
```

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

```
.background{ background-color: rgb(17, 97,  
245) }
```

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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