

Converting Colors

CIELCh(46, 81.741, 291.624)

Have a look what the booklet for
CIELCh(46, 81.741, 291.624)
contains.

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Color

CIELCh(46, 81.878, 291.780)

Conversions

Conversions Part 1

Format	Color
Hex	0064EF
RGB	0, 100, 239
RGB Percent	0%, 39%, 94%
CMY	1.0000, 0.6088, 0.0639
CMYK	1.00, 0.58, 0.00, 0.06
HSL	215°, 100%, 47%
HSV	215°, 100%, 94%
XYZ	20.0457, 15.2687, 83.3149
YIQ	85.9460, -104.2190, 22.0290

Conversions

Conversions Part 2

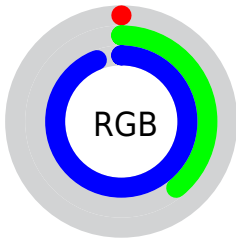
Format	Color
R _{YB}	0, 71, 239
Decimal	25839
CIE Lab	46.00, 30.38, -76.03
CIE LCh	46, 81.878, 291.780
Yxy	15.2687, 0.1690, 0.1287
Android (android.graphics.Color)	4278215919 (0xFF0064EF)
YUV	85.9460, 75.4556, -75.3746
Hunter-Lab	39.0751, 23.1899, -99.0639

Details

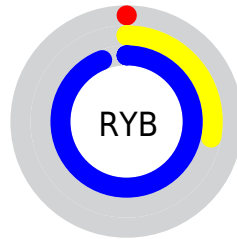
The CIELCh color **46, 81.878, 291.780** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **67, 79.135, 67.135**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 58.837, 286.057**, and **30, 79.561, 298.207** is the 20% darker color. If you saturate the color by 10%, you get **46, 81.871, 291.815**, and if you desaturate by 10%, it is **50, 73.099, 287.744**.

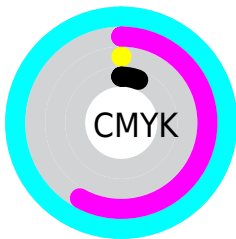
Distribution



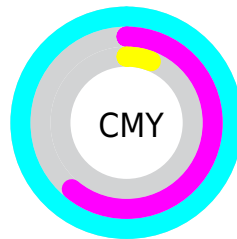
- Red (0%)
- Green (39%)
- Blue (94%)



- Red (0%)
- Yellow (28%)
- Blue (94%)



- Cyan (100%)
- Magenta (58%)
- Yellow (0%)
- Black (6%)




- Cyan (100%)
- Magenta (61%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 81.878, 291.780 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, 81.878, 291.780 by changing the saturation by 10% instead.

 46, 81.878,
291.780


 46, 81.878,
291.780


 100, 81.878,
291.780


 36, 81.878,
291.780

 66, 81.878,
291.780


 26, 81.878,
291.780

 76, 81.878,
291.780


 16, 81.878,
291.780

 86, 81.878,
291.780

 6, 81.878, 291.780

 96, 81.878,
291.780

 0, 81.878, 291.780

 46, 81.878,

 46, 81.878,

291.780

■ 46, 81.871,
291.815

291.780

■ 50, 73.099,
287.744

■ 54, 64.538,
283.654

■ 59, 56.197,
279.822

■ 64, 48.022,
276.376

■ 68, 39.945,
273.364

■ 74, 31.917,
270.779

■ 79, 23.910,
268.580

■ 84, 15.918,
266.718

Harmonies

Complementary

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



46, 81.878, 291.780



67, 79.135, 67.135

Rectangle

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



46, 81.878, 291.780



46, 81.878, 341.780



46, 81.878, 111.780



46, 81.878, 161.780

Sweetspot

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



46, 81.871, 291.815



83, 25.226, 268.602



84, 79.451, 152.350



42, 17.219, 269.489



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, 81.871, 291.815



49, 86.398, 291.966



30, 126.970, 306.439



47, 4.531, 265.079



35, 66.072, 291.104



8, 24.685, 284.172

Inverse Universe

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



51, 80.561, 10.849



54, 84.720, 11.053



90, 92.499, 107.019



47, 5.754, 349.131



39, 66.090, 9.906



8, 28.901, 2.073

Previews

White Background



This preview shows how the CIELCh color 46, 81.878, 291.780 looks on a white background.

Color Contrast Check

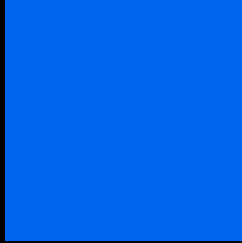
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.878, 291.780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

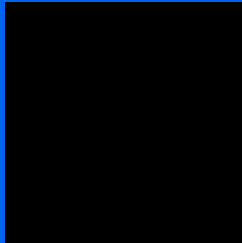
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

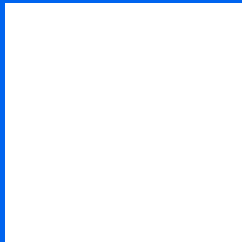
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 81.878, 291.780

Background



This preview shows how black text looks on a background with the CIELCh color 46, 81.878, 291.780.



This preview shows how white text looks on a background with the CIELCh color 46, 81.878, 291.780.

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, 81.878, 291.780

Protanopia

46, 69.543, 287.370

Deuteranopia

46, 48.843, 274.578



Tritanopia
46, 27.787, 206.603

Trichromacy



Original Color
46, 81.878, 291.780

Protanomaly
46, 74.073, 289.250

Deuteranomaly
46, 60.635, 283.012

Tritanomaly
45, 37.357, 260.649

Monochromacy



Original Color
46, 81.878, 291.780

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 32.312, 276.435

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 81.878, 291.780 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, 100, 239)` looks like.

```
.text, #text, p{  
    color:rgb(0, 100, 239)  
}
```

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, 100, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 100, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 81.878, 291.780 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, 100, 239) }
```

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

```
.border{ border-color:rgb(0, 100, 239) }
```

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

Here you see how a box with a 4 pixel rgb(0, 100, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 100, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 100, 239);  
box-shadow:4px 4px 4px 4px rgb(0, 100,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 81.878, 291.780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 100, 239) }
```

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

```
.background{ background-color: rgb(0, 100,  
239) }
```

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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