

Converting Colors

CIELCh(45, 81.599, 292.151)

Have a look what the booklet for
CIELCh(45, 81.599, 292.151)
contains.

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Color

CIELCh(45, 81.599, 292.151)

Conversions

Conversions Part 1

Format	Color
Hex	0061EB
RGB	0, 97, 235
RGB Percent	0%, 38%, 92%
CMY	1.0000, 0.6197, 0.0785
CMYK	1.00, 0.59, 0.00, 0.08
HSL	215°, 100%, 46%
HSV	215°, 100%, 92%
XYZ	19.2633, 14.5417, 80.3705
YIQ	83.7290, -102.1100, 22.3540

Conversions

Conversions Part 2

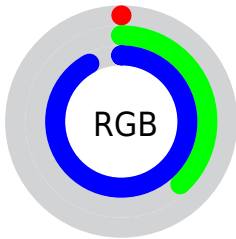
Format	Color
R _Y B	0, 69, 235
Decimal	25067
CIE Lab	45.00, 30.77, -75.58
CIE LCh	45, 81.599, 292.151
Yxy	14.5417, 0.1687, 0.1274
Android (android.graphics.Color)	4278215147 (0xFF0061EB)
YUV	83.7290, 74.5766, -73.4303
Hunter-Lab	38.1336, 23.4360, -98.2663

Details

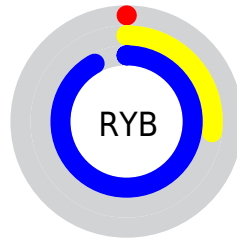
The CIELCh color **45, 81.599, 292.151** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **66, 78.107, 67.646**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 60.569, 287.141**, and **29, 79.291, 298.646** is the 20% darker color. If you saturate the color by 10%, you get **45, 81.599, 292.154**, and if you desaturate by 10%, it is **49, 72.839, 288.119**.

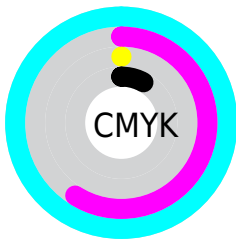
Distribution



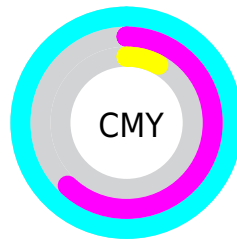
- Red (0%)
- Green (38%)
- Blue (92%)



- Red (0%)
- Yellow (27%)
- Blue (92%)



- Cyan (100%)
- Magenta (59%)
- Yellow (0%)
- Black (8%)





- Cyan (100%)
- Magenta (62%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 81.599, 292.151 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 45, 81.599, 292.151 by changing the saturation by 10% instead.


 45, 81.599,
292.151


 45, 81.599,
292.151


 100, 81.599,
292.151


 35, 81.599,
292.151

 65, 81.599,
292.151


 25, 81.599,
292.151

 75, 81.599,
292.151

 15, 81.599,
292.151

 85, 81.599,
292.151

 5, 81.599, 292.151

 95, 81.599,
292.151

 0, 81.599, 292.151

 45, 81.599,

 45, 81.599,

292.151

■ 45, 81.599,
292.154

292.151

■ 49, 72.839,
288.119

■ 53, 64.281,
284.058

■ 58, 55.942,
280.250

■ 62, 47.777,
276.822

■ 67, 39.719,
273.824

■ 72, 31.719,
271.249

■ 77, 23.750,
269.057

■ 83, 15.805,
267.200

Harmonies

Complementary

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



45, 81.599, 292.151



66, 78.107, 67.646

Rectangle

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



45, 81.599, 292.151



45, 81.599, 342.151



45, 81.599, 112.151



45, 81.599, 162.151

Sweetspot

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



45, 81.599, 292.154



83, 25.379, 269.084



82, 77.001, 153.363



42, 17.327, 269.970



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 81.599, 292.154



49, 87.221, 292.341



30, 125.361, 306.495



46, 4.475, 265.561



35, 65.940, 291.443



8, 23.929, 284.075

Inverse Universe

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



50, 79.670, 11.308



54, 84.793, 11.565



89, 91.571, 108.039



46, 5.635, 349.444



38, 65.444, 10.352



7, 28.010, 1.935

Previews

White Background



This preview shows how the CIE LCh color 45, 81.599, 292.151 looks on a white background.

Color Contrast Check

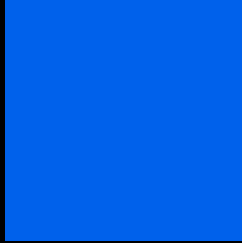
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 81.599, 292.151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

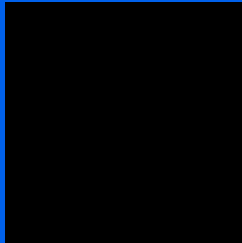
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

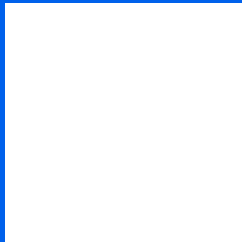
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 81.599, 292.151

Background



This preview shows how black text looks on a background with the CIELCh color 45, 81.599, 292.151.



This preview shows how white text looks on a background with the CIELCh color 45, 81.599, 292.151.

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

45, 81.599, 292.151

Protanopia

45, 68.040, 287.161

Deuteranopia

45, 47.838, 274.260



Tritanopia
45, 27.517, 205.432

Trichromacy



Original Color
45, 81.599, 292.151

Protanomaly
45, 73.135, 289.277

Deuteranomaly
45, 59.653, 282.921

Tritanomaly
44, 37.220, 261.593

Monochromacy



Original Color
45, 81.599, 292.151

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 31.843, 276.151

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 81.599, 292.151 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, 97, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 97, 235)  
}
```

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, 97, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 97, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 81.599, 292.151 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, 97, 235) }
```

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

```
.border{ border-color:rgb(0, 97, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 97, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 97, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 97, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 97, 235)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 81.599, 292.151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 97, 235) }
```

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

```
.background{ background-color: rgb(0, 97,  
235) }
```

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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