

Converting Colors

CIELCh(45, 80.102, 291.794)

Have a look what the booklet for
CIELCh(45, 80.102, 291.794)
contains.

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Color

CIELCh(45, 80.485, 291.976)

Conversions

Conversions Part 1

Format	Color
Hex	0761E9
RGB	7, 97, 233
RGB Percent	3%, 38%, 91%
CMY	0.9732, 0.6186, 0.0850
CMYK	0.97, 0.58, 0.00, 0.09
HSL	216°, 94%, 47%
HSV	216°, 97%, 91%
XYZ	19.1361, 14.5417, 79.1239
YIQ	85.5940, -97.2960, 23.2160

Conversions

Conversions Part 2

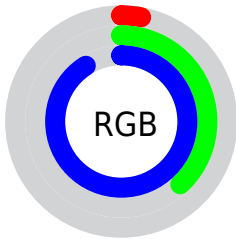
Format	Color
RYB	7, 71, 233
Decimal	483817
CIELab	45.00, 30.12, -74.64
CIElCh	45, 80.485, 291.976
Yxy	14.5417, 0.1696, 0.1289
Android (android.graphics.Color)	4278673897 (0xFF0761E9)
YUV	85.5940, 72.6712, -68.9269
Hunter-Lab	38.1336, 22.8406, -96.3280

Details

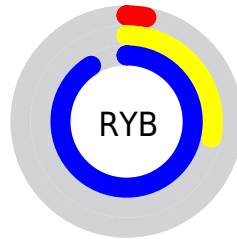
The CIELCh color **45, 80.485, 291.976** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **67, 76.496, 69.734**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 60.542, 287.339**, and **28, 78.184, 298.456** is the 20% darker color. If you saturate the color by 10%, you get **44, 83.131, 293.089**, and if you desaturate by 10%, it is **49, 71.568, 287.953**.

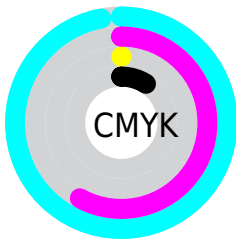
Distribution



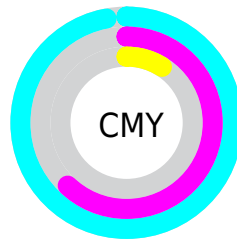
- Red (3%)
- Green (38%)
- Blue (91%)



- Red (3%)
- Yellow (28%)
- Blue (91%)



- Cyan (97%)
- Magenta (58%)
- Yellow (0%)
- Black (9%)





- Cyan (97%)
- Magenta (62%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 80.485, 291.976 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, 80.485, 291.976 by changing the saturation by 10% instead.


 45, 80.485,
291.976


 45, 80.485,
291.976


 100, 80.485,
291.976


 35, 80.485,
291.976

 65, 80.485,
291.976


 25, 80.485,
291.976

 75, 80.485,
291.976

 15, 80.485,
291.976

 85, 80.485,
291.976

 5, 80.485, 291.976

 95, 80.485,
291.976

 0, 80.485, 291.976

 45, 80.485,

 45, 80.485,

291.976

■ 44, 83.131,
293.089

291.976

■ 49, 71.568,
287.953

■ 53, 62.849,
284.010

■ 58, 54.353,
280.350

■ 63, 46.033,
277.080

■ 68, 37.831,
274.233

■ 73, 29.703,
271.791

■ 78, 21.627,
269.713

■ 83, 13.596,
267.952

Harmonies

Complementary

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



45, 80.485, 291.976



67, 76.496, 69.734

Rectangle

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



45, 80.485, 291.976



45, 80.485, 341.976



45, 80.485, 111.976



45, 80.485, 161.976

Sweetspot

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



45, 80.485, 291.978



84, 24.919, 270.117



82, 73.909, 155.064



42, 17.120, 270.995



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, 80.485, 291.978



48, 89.376, 293.288



30, 123.158, 306.427



46, 4.536, 266.804



34, 67.565, 292.411



7, 24.452, 285.084

Inverse Universe

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



50, 78.727, 11.124



54, 85.021, 12.899



88, 90.705, 108.946



46, 5.589, 350.275



38, 65.579, 11.662



7, 27.957, 2.917

Previews

White Background



This preview shows how the CIE LCh color 45, 80.485, 291.976 looks on a white background.

Color Contrast Check

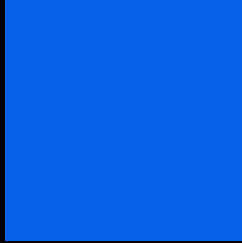
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 80.485, 291.976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

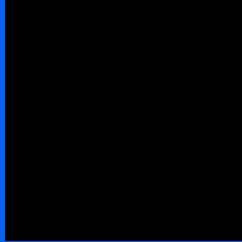
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

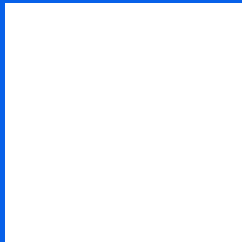
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 80.485, 291.976

Background



This preview shows how black text looks on a background with the CIELCh color 45, 80.485, 291.976.



This preview shows how white text looks on a background with the CIELCh color 45, 80.485, 291.976.

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, 80.475, 292.017

Protanopia

45, 68.040, 287.161

Deuteranopia

45, 47.838, 274.260



Tritanopia
45, 27.517, 205.432

Trichromacy



Original Color
45, 80.475, 292.017

Protanomaly
45, 72.575, 289.149

Deuteranomaly
45, 59.095, 282.712

Tritanomaly
44, 36.735, 261.002

Monochromacy



Original Color
45, 80.475, 292.017

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 31.623, 277.239

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 80.485, 291.976 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(7, 97, 233)` looks like.

```
.text, #text, p{  
    color:rgb(7, 97, 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(7, 97, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 97, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 80.485, 291.976 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(7, 97, 233) }
```

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

```
.border{ border-color:rgb(7, 97, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 97, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 97, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 97, 233);  
box-shadow:4px 4px 4px 4px rgb(7, 97, 233)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 80.485, 291.976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 97, 233) }
```

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

```
.background{ background-color: rgb(7, 97,  
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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