

Converting Colors

CIELCh(44, 87.025, 294.055)

Have a look what the booklet for
CIELCh(44, 87.025, 294.055)
contains.

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Color

CIELCh(44, 86.945, 294.103)

Conversions

Conversions Part 1

Format	Color
Hex	005CEF
RGB	0, 92, 239
RGB Percent	0%, 36%, 94%
CMY	1.0000, 0.6399, 0.0635
CMYK	1.00, 0.62, 0.00, 0.06
HSL	217°, 100%, 47%
HSV	217°, 100%, 94%
XYZ	19.3479, 13.8382, 83.1553
YIQ	81.2500, -102.0190, 26.2130

Conversions

Conversions Part 2

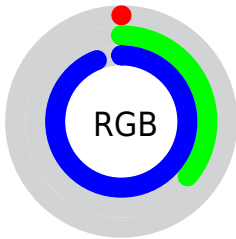
Format	Color
R _{YB}	0, 66, 239
Decimal	23791
CIE Lab	44.00, 35.51, -79.36
CIE LCh	44, 86.945, 294.103
Yxy	13.8382, 0.1663, 0.1189
Android (android.graphics.Color)	4278213871 (0xFF005CEF)
YUV	81.2500, 77.7707, -71.2562
Hunter-Lab	37.1997, 27.7398, -106.4954

Details

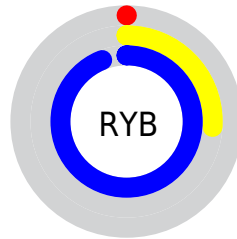
The CIELCh color **44, 86.945, 294.103** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **69, 78.692, 70.245**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 63.416, 289.526**, and **28, 84.004, 299.996** is the 20% darker color. If you saturate the color by 10%, you get **44, 86.940, 294.125**, and if you desaturate by 10%, it is **48, 77.539, 290.258**.

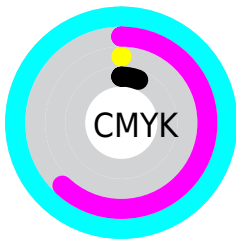
Distribution



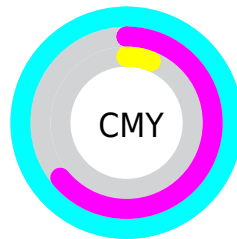
- Red (0%)
- Green (36%)
- Blue (94%)



- Red (0%)
- Yellow (26%)
- Blue (94%)



- Cyan (100%)
- Magenta (62%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (64%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 86.945, 294.103 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 44, 86.945, 294.103 by changing the saturation by 10% instead.


 44, 86.945,
294.103


 44, 86.945,
294.103


 100, 86.945,
294.103

 34, 86.945,
294.103

 64, 86.945,
294.103


 24, 86.945,
294.103

 74, 86.945,
294.103

 14, 86.945,
294.103


 84, 86.945,
294.103

 4, 86.945, 294.103

 94, 86.945,
294.103

 0, 86.945, 294.103

 44, 86.945,

 44, 86.945,

294.103

294.103

■ 44, 86.940,
294.125

■ 48, 77.539,
290.258

■ 52, 68.285,
286.329

■ 57, 59.264,
282.616

■ 62, 50.463,
279.256

■ 67, 41.829,
276.305

■ 73, 33.311,
273.762

■ 78, 24.879,
271.592

■ 83, 16.517,
269.749

Harmonies

Complementary

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



44, 86.945, 294.103



69, 78.692, 70.245

Rectangle

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



44, 86.945, 294.103



44, 86.945, 344.103



44, 86.945, 114.103



44, 86.945, 164.103

Sweetspot

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



44, 86.940, 294.125



83, 26.240, 271.613



84, 76.480, 154.370



42, 17.934, 272.490



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 86.940, 294.125



47, 91.717, 294.267



30, 126.775, 306.555



47, 4.687, 268.118



34, 70.134, 293.453



8, 26.109, 286.804

Inverse Universe

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



51, 81.145, 14.125



54, 85.329, 14.338



90, 92.891, 109.058



47, 5.639, 351.195



39, 66.466, 13.137



8, 28.802, 4.616

Previews

White Background



This preview shows how the CIE LCh color 44, 86.945, 294.103 looks on a white background.

Color Contrast Check

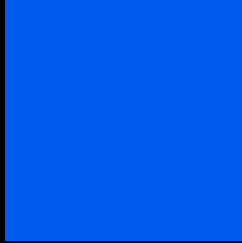
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 86.945, 294.103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

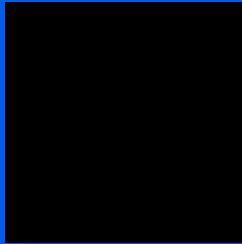
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

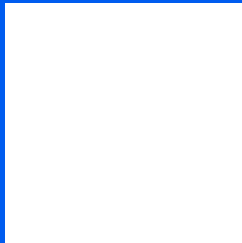
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 86.945, 294.103

Background



This preview shows how black text looks on a background with the CIELCh color 44, 86.945, 294.103.



This preview shows how white text looks on a background with the CIELCh color 44, 86.945, 294.103.

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

44, 86.945, 294.103

Protanopia

44, 66.530, 286.941

Deuteranopia

44, 46.840, 274.205



Tritanopia
44, 27.004, 205.648

Trichromacy



Original Color
44, 86.945, 294.103

Protanomaly
44, 73.927, 290.019

Deuteranomaly
44, 60.963, 284.367

Tritanomaly
43, 38.004, 263.941

Monochromacy



Original Color
44, 86.945, 294.103

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 33.573, 279.292

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 86.945, 294.103 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, 92, 239)` looks like.

```
.text, #text, p{  
    color:rgb(0, 92, 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, 92, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 92, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 86.945, 294.103 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, 92, 239) }
```

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

```
.border{ border-color:rgb(0, 92, 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, 92, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 92, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 92, 239);  
box-shadow:4px 4px 4px 4px rgb(0, 92, 239)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 86.945, 294.103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 92, 239) }
```

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

```
.background{ background-color: rgb(0, 92,  
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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