

Converting Colors

CIELCh(46, 93.945, 295.154)

Have a look what the booklet for
CIELCh(46, 93.945, 295.154)
contains.

CIELCh(46, 94.265, 295.278)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 94.265, 295.278)

Conversions

Conversions Part 1

Format	Color
Hex	015EFF
RGB	1, 94, 255
RGB Percent	0%, 37%, 100%
CMY	0.9952, 0.6308, 0.0000
CMYK	1.00, 0.63, 0.00, 0.00
HSL	218°, 100%, 50%
HSV	218°, 100%, 100%
XYZ	22.1073, 15.2687, 96.5366
YIQ	84.5470, -107.1090, 30.3550

Conversions

Conversions Part 2

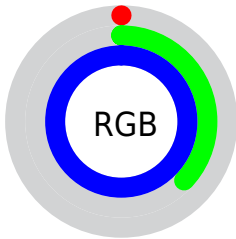
Format	Color
R _Y B	1, 69, 255
Decimal	89855
CIE Lab	46.00, 40.25, -85.24
CIE LCh	46, 94.265, 295.278
Yxy	15.2687, 0.1651, 0.1140
Android (android.graphics.Color)	4278279935 (0xFF015EFF)
YUV	84.5470, 84.0333, -73.2707
Hunter-Lab	39.0751, 32.6075, -119.1256

Details

The CIELCh color **46, 94.265, 295.278** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark saturated blue. A complement of this color would be **74, 82.419, 72.001**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 62.135, 289.748**, and **30, 91.359, 300.791** is the 20% darker color. If you saturate the color by 10%, you get **46, 94.661, 295.430**, and if you desaturate by 10%, it is **50, 83.931, 291.478**.

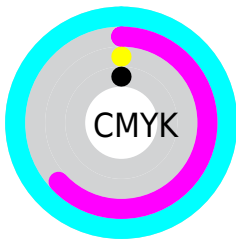
Distribution



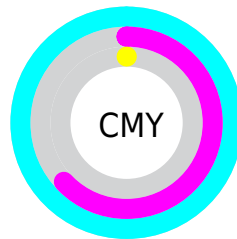
- Red (0%)
- Green (37%)
- Blue (100%)



- Red (0%)
- Yellow (27%)
- Blue (100%)



- Cyan (100%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (63%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 94.265, 295.278 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, 94.265, 295.278 by changing the saturation by 10% instead.

 46, 94.265,
295.278


 46, 94.265,
295.278


 100, 94.265,
295.278

 36, 94.265,
295.278

 66, 94.265,
295.278


 26, 94.265,
295.278

 76, 94.265,
295.278

 16, 94.265,
295.278

 86, 94.265,
295.278

 6, 94.265, 295.278

 96, 94.265,
295.278

 0, 94.265, 295.278

 46, 94.265,

 46, 94.265,

295.278

■ 46, 94.661,
295.430

295.278

■ 50, 83.931,
291.478

■ 55, 73.786,
287.627

■ 60, 63.886,
283.975

■ 66, 54.243,
280.662

■ 71, 44.812,
277.749

■ 77, 35.541,
275.236

■ 83, 26.396,
273.090

■ 89, 17.358,
271.266

Harmonies

Complementary

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



46, 94.265, 295.278



74, 82.419, 72.001

Rectangle

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



46, 94.265, 295.278



46, 94.265, 345.278



46, 94.265, 115.278



46, 94.265, 165.278

Sweetspot

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



46, 94.173, 295.263



82, 26.829, 273.185



89, 77.169, 156.572



41, 18.348, 274.054



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, 94.173, 295.263



46, 94.661, 295.430



33, 132.713, 306.679



50, 5.028, 269.722



34, 74.851, 294.756



9, 30.027, 289.331

Inverse Universe

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



54, 85.653, 15.880



54, 85.806, 16.134



95, 98.052, 111.057



50, 5.870, 352.379



40, 68.876, 15.081



10, 31.288, 7.672

Previews

White Background



This preview shows how the CIE LCh color 46, 94.265, 295.278 looks on a white background.

Color Contrast Check

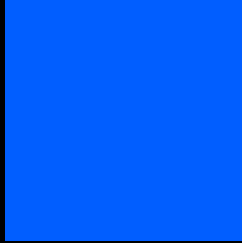
Large Text (above 18pt) WCAG AA ✓ Pass

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, 94.265, 295.278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

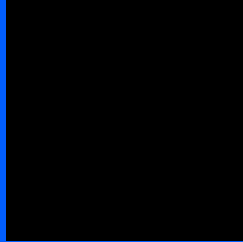
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

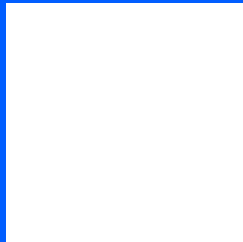
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 94.265, 295.278

Background



This preview shows how black text looks on a background with the CIELCh color 46, 94.265, 295.278.



This preview shows how white text looks on a background with the CIELCh color 46, 94.265, 295.278.

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, 94.260, 295.293

Protanopia

46, 68.996, 287.168

Deuteranopia

46, 47.820, 273.716



Tritanopia
46, 27.858, 205.294

Trichromacy



Original Color
46, 94.260, 295.293

Protanomaly
46, 78.610, 290.911

Deuteranomaly
45, 64.010, 284.974

Tritanomaly
45, 40.920, 266.519

Monochromacy



Original Color
46, 94.260, 295.293

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 36.856, 281.479

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 94.265, 295.278 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(1, 94, 255)` looks like.

```
.text, #text, p{  
    color:rgb(1, 94, 255)  
}
```

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(1, 94, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 94, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 94.265, 295.278 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(1, 94, 255) }
```

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

```
.border{ border-color:rgb(1, 94, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 94, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 94, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 94, 255);  
box-shadow:4px 4px 4px 4px rgb(1, 94, 255)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 94.265, 295.278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 94, 255) }
```

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

```
.background{ background-color: rgb(1, 94,  
255) }
```

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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