

Converting Colors

CIELCh(46, 90.254, 298.152)

Have a look what the booklet for
CIELCh(46, 90.254, 298.152)
contains.

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Color

CIELCh(46, 90.006, 298.065)

Conversions

Conversions Part 1

Format	Color
Hex	445BF5
RGB	68, 91, 245
RGB Percent	27%, 36%, 96%
CMY	0.7340, 0.6436, 0.0398
CMYK	0.72, 0.63, 0.00, 0.04
HSL	232°, 90%, 61%
HSV	232°, 72%, 96%
XYZ	22.5619, 15.2687, 88.0324
YIQ	101.6790, -63.1420, 43.0180

Conversions

Conversions Part 2

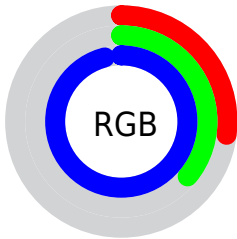
Format	Color
R _{YB}	68, 88, 245
Decimal	4479989
CIE _{Lab}	46.00, 42.35, -79.42
CIE _{LCh}	46, 90.006, 298.065
Yxy	15.2687, 0.1793, 0.1213
Android (android.graphics.Color)	4282670069 (0xFF445BF5)
YUV	101.6790, 70.6573, -29.5365
Hunter-Lab	39.0751, 34.6840, -106.2219

Details

The CIELCh color **46, 90.006, 298.065** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed blue. A complement of this color would be **88, 74.300, 96.293**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 63.589, 295.822**, and **28, 87.887, 300.794** is the 20% darker color. If you saturate the color by 10%, you get **40, 103.388, 300.771**, and if you desaturate by 10%, it is **52, 76.305, 295.378**.

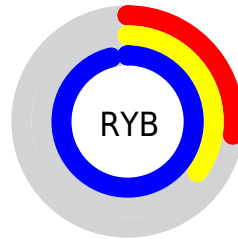
Distribution



Red (27%)

Green (36%)

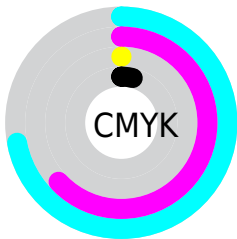
Blue (96%)



Red (27%)

Yellow (35%)

Blue (96%)

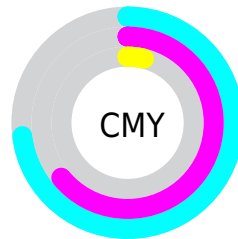


Cyan (72%)

Magenta (63%)

Yellow (0%)

Black (4%)



Cyan (73%)


Magenta (64%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 90.006, 298.065 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, 90.006, 298.065 by changing the saturation by 10% instead.


 46, 90.006,
298.065


 46, 90.006,
298.065


 100, 90.006,
298.065


 36, 90.006,
298.065

 66, 90.006,
298.065


 26, 90.006,
298.065

 76, 90.006,
298.065

 16, 90.006,
298.065

 86, 90.006,
298.065

 6, 90.006, 298.065

 96, 90.006,
298.065

 0, 90.006, 298.065

 46, 90.006,

 46, 90.006,

298.065

■ 40, 103.388,
300.771

■ 36, 115.292,
303.208

■ 33, 122.468,
304.672

298.065

■ 52, 76.305,
295.378

■ 59, 62.857,
292.887

■ 66, 49.866,
290.678

■ 73, 37.367,
288.765

■ 81, 25.336,
287.129

■ 88, 13.738,
285.738

■ 95, 2.537, 284.593

■ 100, 5.130,
109.780

Harmonies

Complementary

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



46, 90.006, 298.065



88, 74.300, 96.293

Rectangle

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



46, 90.006, 298.065



46, 90.006, 348.065



46, 90.006, 118.065



46, 90.006, 168.065

Sweetspot

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



46, 90.006, 298.066



84, 25.817, 287.090



88, 49.133, 181.630



42, 17.430, 287.508



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, 90.006, 298.066



40, 112.901, 302.015



47, 101.023, 309.135



47, 6.316, 285.386



24, 98.607, 304.358



4, 36.299, 297.472

Inverse Universe

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



56, 73.171, 22.396



55, 88.912, 28.964



90, 86.369, 121.257



48, 5.145, 9.475



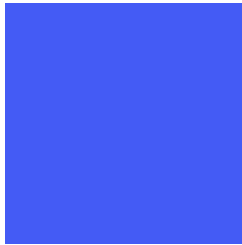
39, 76.839, 34.195



8, 30.290, 19.708

Previews

White Background



This preview shows how the CIE LCh color 46, 90.006, 298.065 looks on a white background.

Color Contrast Check

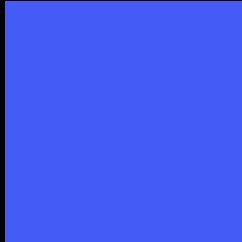
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 90.006, 298.065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

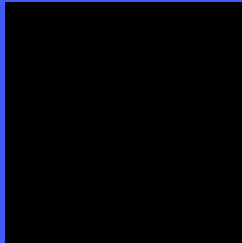
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 90.006, 298.065

Background



This preview shows how black text looks on a background with the CIELCh color 46, 90.006, 298.065.

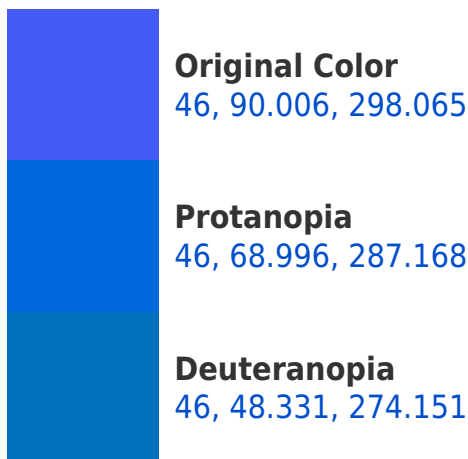



This preview shows how white text looks on a background with the CIELCh color 46, 90.006, 298.065.

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





Tritanopia
46, 27.787, 206.603

Trichromacy



Original Color
46, 90.006, 298.065

Protanomaly
45, 76.905, 291.334

Deuteranomaly
45, 62.778, 285.703

Tritanomaly
44, 39.362, 267.859

Monochromacy



Original Color
46, 90.006, 298.065

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 33.674, 290.515

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 90.006, 298.065 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(68, 91, 245)` looks like.

```
.text, #text, p{  
    color:rgb(68, 91, 245)  
}
```

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(68, 91, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 91, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 90.006, 298.065 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(68, 91, 245) }
```

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

```
.border{ border-color:rgb(68, 91, 245) }
```

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

Here you see how a box with a 4 pixel rgb(68, 91, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 91, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 91, 245);  
box-shadow:4px 4px 4px 4px rgb(68, 91,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 90.006, 298.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 91, 245) }
```

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

```
.background{ background-color: rgb(68, 91,  
245) }
```

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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