

Converting Colors

CIELCh(46, 71.913, 298.537)

Have a look what the booklet for
CIELCh(46, 71.913, 298.537)
contains.

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Color

CIELCh(46, 71.840, 298.515)

Conversions

Conversions Part 1

Format	Color
Hex	5C5ED8
RGB	92, 94, 216
RGB Percent	36%, 37%, 85%
CMY	0.6387, 0.6310, 0.1525
CMYK	0.57, 0.56, 0.00, 0.15
HSL	239°, 61%, 60%
HSV	239°, 57%, 85%
XYZ	20.8473, 15.2687, 66.8935
YIQ	107.3100, -40.3540, 37.5180

Conversions

Conversions Part 2

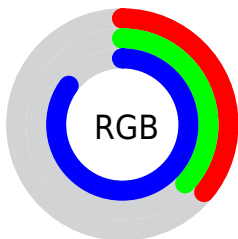
Format	Color
RYB	92, 94, 216
Decimal	6053592
CIELab	46.00, 34.30, -63.13
CIELCh	46, 71.840, 298.515
Yxy	15.2687, 0.2024, 0.1482
Android (android.graphics.Color)	4284243672 (0xFF5C5ED8)
YUV	107.3100, 53.5842, -13.4269
Hunter-Lab	39.0751, 26.8516, -74.1471

Details

The CIELCh color **46, 71.840, 298.515** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted blue. A complement of this color would be **84, 60.945, 104.078**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 61.748, 298.297**, and **26, 71.692, 298.480** is the 20% darker color. If you saturate the color by 10%, you get **40, 85.638, 300.782**, and if you desaturate by 10%, it is **53, 58.158, 296.393**.

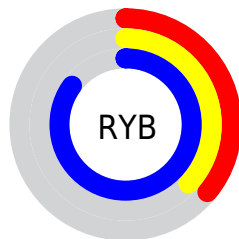
Distribution



Red (36%)

Green (37%)

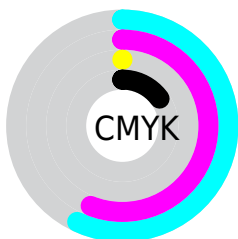
Blue (85%)



Red (36%)

Yellow (37%)

Blue (85%)

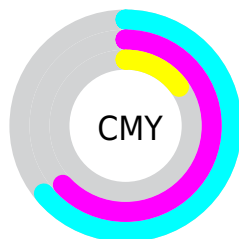


Cyan (57%)

Magenta (56%)

Yellow (0%)

Black (15%)



Cyan (64%)


Magenta (63%)


Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 71.840, 298.515 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, 71.840, 298.515 by changing the saturation by 10% instead.


 46, 71.840,
298.515


 46, 71.840,
298.515


 100, 71.840,
298.515


 36, 71.840,
298.515

 66, 71.840,
298.515


 26, 71.840,
298.515

 76, 71.840,
298.515

 16, 71.840,
298.515

 86, 71.840,
298.515

 6, 71.840, 298.515

 96, 71.840,
298.515

 0, 71.840, 298.515

 46, 71.840,

 46, 71.840,

298.515

■ 40, 85.638,
300.782

■ 34, 98.726,
302.989

■ 30, 109.548,
304.818

■ 27, 116.227,
305.941

■ 27, 117.428,
306.130

298.515

■ 53, 58.158,
296.393

■ 60, 44.918,
294.505

■ 67, 32.208,
292.873

■ 74, 20.024,
291.481

■ 81, 8.333, 290.305

■ 88, 2.902, 109.268

■ 95, 13.715,
108.437

■ 99, 19.654,
108.690

Harmonies

Complementary

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



46, 71.840, 298.515



84, 60.945, 104.078

Rectangle

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



46, 71.840, 298.515



46, 71.840, 348.515



46, 71.840, 118.515



46, 71.840, 168.515

Sweetspot

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



46, 71.840, 298.516



86, 22.402, 291.454



80, 35.865, 195.144



44, 15.046, 291.717



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, 71.840, 298.516



45, 100.525, 301.300



51, 72.998, 311.481



41, 6.394, 290.529



20, 98.365, 306.077



2, 27.270, 293.695

Inverse Universe

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



55, 54.267, 25.737



59, 76.047, 29.352



80, 66.690, 125.907



42, 4.548, 18.643



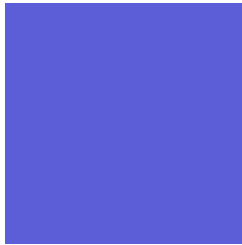
35, 76.673, 39.253



5, 21.987, 19.059

Previews

White Background



This preview shows how the CIELCh color 46, 71.840, 298.515 looks on a white background.

Color Contrast Check

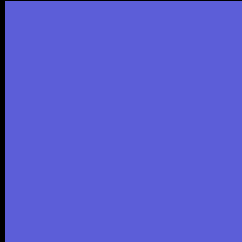
Large Text (above 18pt) WCAG AA ✓ Pass

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, 71.840, 298.515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

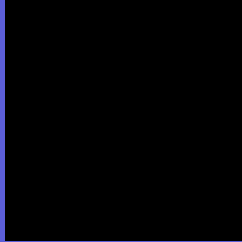
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 71.840, 298.515

Background



This preview shows how black text looks on a background with the CIELCh color 46, 71.840, 298.515.

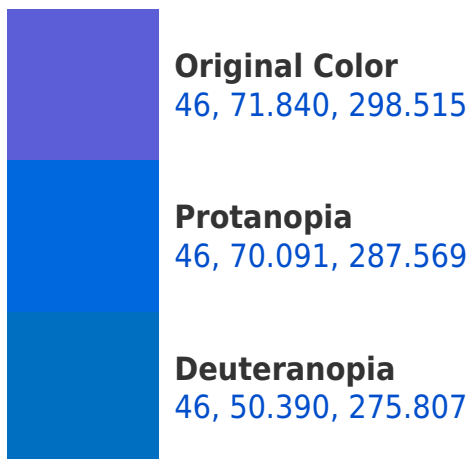


This preview shows how white text looks on a background with the CIELCh color 46, 71.840, 298.515.

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, 20.425, 212.723

Trichromacy



Original Color
46, 71.840, 298.515

Protanomaly
45, 71.223, 290.065

Deuteranomaly
45, 57.647, 283.939

Tritanomaly
45, 31.322, 272.333

Monochromacy



Original Color
46, 71.840, 298.515

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 26.905, 293.840

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 71.840, 298.515 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(92, 94, 216)` looks like.

```
.text, #text, p{  
    color:rgb(92, 94, 216)  
}
```

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(92, 94, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 94, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 71.840, 298.515 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(92, 94, 216) }
```

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

```
.border{ border-color:rgb(92, 94, 216) }
```

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

Here you see how a box with a 4 pixel rgb(92, 94, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 94, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 94, 216);  
box-shadow:4px 4px 4px 4px rgb(92, 94,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 71.840, 298.515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 94, 216) }
```

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

```
.background{ background-color: rgb(92, 94,  
216) }
```

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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