

Converting Colors

CIELCh(46, 70.571, 297.948)

Have a look what the booklet for
CIELCh(46, 70.571, 297.948)
contains.

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Color

CIELCh(46, 70.665, 298.005)

Conversions

Conversions Part 1

Format	Color
Hex	5B5FD7
RGB	91, 95, 215
RGB Percent	36%, 37%, 84%
CMY	0.6439, 0.6280, 0.1576
CMYK	0.58, 0.56, 0.00, 0.16
HSL	238°, 61%, 60%
HSV	238°, 58%, 84%
XYZ	20.6169, 15.2687, 66.0301
YIQ	107.4840, -40.9040, 36.4720

Conversions

Conversions Part 2

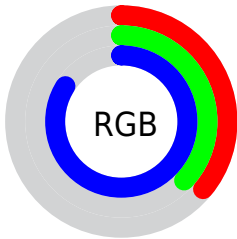
Format	Color
R_{YB}	91, 95, 215
Decimal	5988311
CIE _{Lab}	46.00, 33.18, -62.39
CIE _{LCh}	46, 70.665, 298.005
Yxy	15.2687, 0.2023, 0.1498
Android (android.graphics.Color)	4284178391 (0xFF5B5FD7)
YUV	107.4840, 53.0054, -14.4565
Hunter-Lab	39.0751, 25.7991, -72.8371

Details

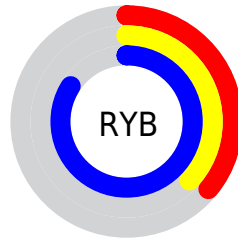
The CIELCh color **46, 70.665, 298.005** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted blue. A complement of this color would be **83, 60.142, 103.239**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 60.528, 297.424**, and **26, 70.481, 297.973** is the 20% darker color. If you saturate the color by 10%, you get **40, 84.207, 300.323**, and if you desaturate by 10%, it is **53, 57.278, 295.846**.

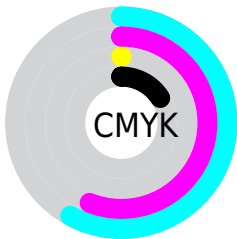
Distribution



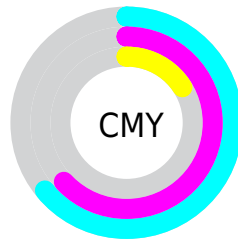
- Red (36%)
- Green (37%)
- Blue (84%)



- Red (36%)
- Yellow (37%)
- Blue (84%)



- Cyan (58%)
- Magenta (56%)
- Yellow (0%)
- Black (16%)





- Cyan (64%)
- Magenta (63%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 70.665, 298.005 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, 70.665, 298.005 by changing the saturation by 10% instead.


 46, 70.665,
298.005


 46, 70.665,
298.005


 100, 70.665,
298.005


 36, 70.665,
298.005

 66, 70.665,
298.005


 26, 70.665,
298.005

 76, 70.665,
298.005

 16, 70.665,
298.005

 86, 70.665,
298.005

 6, 70.665, 298.005

 96, 70.665,
298.005

 0, 70.665, 298.005

 46, 70.665,

 46, 70.665,

298.005

■ 40, 84.207,
300.323

■ 34, 97.161,
302.604

■ 30, 108.087,
304.541

■ 27, 115.163,
305.799

■ 27, 116.192,
305.963

298.005

■ 53, 57.278,
295.846

■ 60, 44.335,
293.929

■ 67, 31.909,
292.273

■ 74, 19.991,
290.860

■ 81, 8.548, 289.665

■ 87, 2.456, 108.602

■ 94, 13.056,
107.761

■ 99, 20.306,
108.640

Harmonies

Complementary

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



46, 70.665, 298.005



83, 60.142, 103.239

Rectangle

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



46, 70.665, 298.005



46, 70.665, 348.005



46, 70.665, 118.005



46, 70.665, 168.005

Sweetspot

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



46, 70.665, 298.006



86, 22.010, 290.788



79, 36.122, 193.346



44, 14.781, 291.053



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, 70.665, 298.006



46, 98.803, 300.778



50, 73.049, 311.010



41, 6.284, 289.853



20, 97.584, 305.857



2, 26.950, 293.323

Inverse Universe

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



55, 54.025, 24.649



59, 75.403, 28.237



80, 66.430, 125.292



42, 4.550, 17.296



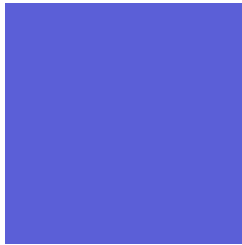
35, 75.976, 38.564



5, 21.976, 18.317

Previews

White Background



This preview shows how the CIELCh color 46, 70.665, 298.005 looks on a white background.

Color Contrast Check

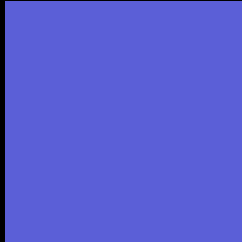
Large Text (above 18pt) WCAG AA ✓ Pass

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, 70.665, 298.005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

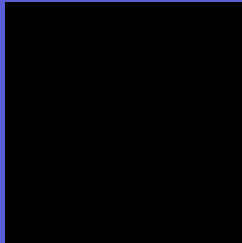
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 70.665, 298.005

Background



This preview shows how black text looks on a background with the CIELCh color 46, 70.665, 298.005.

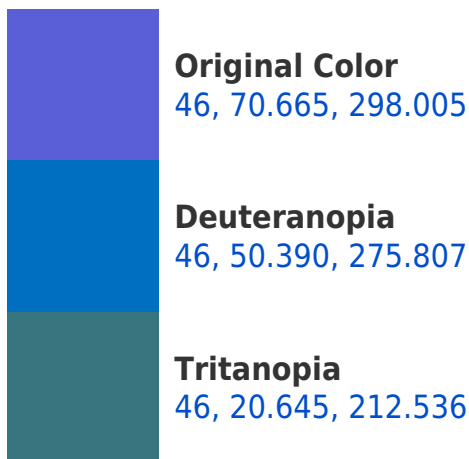


This preview shows how white text looks on a background with the CIELCh color 46, 70.665, 298.005.

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



Trichromacy



Original Color
46, 70.665, 298.005

Deuteranomaly
45, 57.664, 283.848

Tritanomaly
45, 30.917, 270.821

Monochromacy



Original Color
46, 70.665, 298.005

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 25.678, 292.142

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 70.665, 298.005 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(91, 95, 215)` looks like.

```
.text, #text, p{  
    color:rgb(91, 95, 215)  
}
```

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(91, 95, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 95, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 70.665, 298.005 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(91, 95, 215) }
```

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

```
.border{ border-color:rgb(91, 95, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 95, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 95, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 95, 215);  
box-shadow:4px 4px 4px 4px rgb(91, 95,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 70.665, 298.005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 95, 215) }
```

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

```
.background{ background-color: rgb(91, 95,  
215) }
```

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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