

Converting Colors

CIELCh(46, 70.291, 298.758)

Have a look what the booklet for
CIELCh(46, 70.291, 298.758)
contains.

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Color

CIELCh(46, 70.143, 298.718)

Conversions

Conversions Part 1

Format	Color
Hex	5E5ED5
RGB	94, 94, 213
RGB Percent	37%, 37%, 84%
CMY	0.6301, 0.6303, 0.1635
CMYK	0.56, 0.56, 0.00, 0.16
HSL	240°, 59%, 60%
HSV	240°, 56%, 84%
XYZ	20.7248, 15.2687, 65.0109
YIQ	107.5660, -38.1990, 37.0090

Conversions

Conversions Part 2

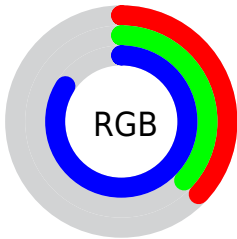
Format	Color
R _Y B	94, 94, 213
Decimal	6184661
CIE Lab	46.00, 33.70, -61.52
CIE LCh	46, 70.143, 298.718
Yxy	15.2687, 0.2052, 0.1512
Android (android.graphics.Color)	4284374741 (0xFF5E5ED5)
YUV	107.5660, 51.9790, -11.8974
Hunter-Lab	39.0751, 26.2918, -71.2906

Details

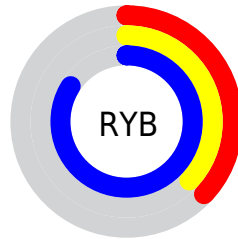
The CIELCh color **46, 70.143, 298.718** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted blue. A complement of this color would be **83, 59.656, 104.983**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 61.143, 298.251**, and **26, 69.862, 298.618** is the 20% darker color. If you saturate the color by 10%, you get **40, 83.991, 300.924**, and if you desaturate by 10%, it is **53, 56.435, 296.661**.

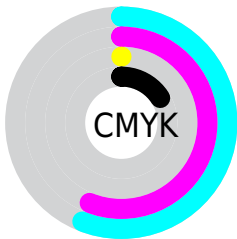
Distribution



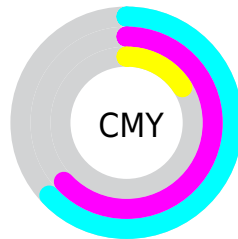
- Red (37%)
- Green (37%)
- Blue (84%)



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



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 70.143, 298.718 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, 70.143, 298.718 by changing the saturation by 10% instead.


 46, 70.143,
298.718


 46, 70.143,
298.718


 100, 70.143,
298.718


 36, 70.143,
298.718

 66, 70.143,
298.718


 26, 70.143,
298.718

 76, 70.143,
298.718

 16, 70.143,
298.718

 86, 70.143,
298.718

 6, 70.143, 298.718

 96, 70.143,
298.718

 0, 70.143, 298.718

 46, 70.143,

 46, 70.143,

298.718

40, 83.991,
300.924

34, 97.176,
303.081

30, 108.151,
304.875

27, 114.984,
305.975

26, 116.949,
306.289

298.718

53, 56.435,
296.661

60, 43.181,
294.836

67, 30.463,
293.261

74, 18.276,
291.920

81, 6.587, 290.789

88, 4.642, 109.801

95, 15.446,
108.992

99, 21.067,
108.582

Harmonies

Complementary

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



46, 70.143, 298.718



83, 59.656, 104.983

Rectangle

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



46, 70.143, 298.718



46, 70.143, 348.718



46, 70.143, 118.718



46, 70.143, 168.718

Sweetspot

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



46, 70.143, 298.719



86, 22.779, 292.090



79, 34.618, 196.996



44, 15.300, 292.351



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, 70.143, 298.719



46, 99.027, 301.340



52, 70.325, 311.898



41, 6.500, 291.175



20, 99.120, 306.289



2, 27.577, 294.056

Inverse Universe

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



59, 73.912, 327.300



66, 98.022, 327.722



79, 64.678, 126.551



42, 7.844, 324.952



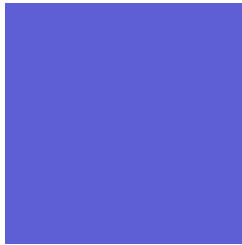
41, 85.569, 328.255



6, 32.938, 328.061

Previews

White Background



This preview shows how the CIELCh color 46, 70.143, 298.718 looks on a white background.

Color Contrast Check

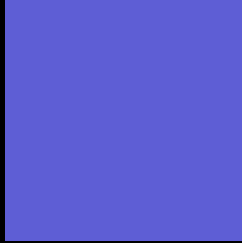
Large Text (above 18pt) WCAG AA ✓ Pass

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, 70.143, 298.718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

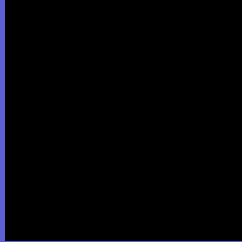
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 70.143, 298.718

Background



This preview shows how black text looks on a background with the CIELCh color 46, 70.143, 298.718.



This preview shows how white text looks on a background with the CIELCh color 46, 70.143, 298.718.

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, 70.143, 298.718

Protanopia
46, 70.019, 287.372

Deuteranopia
46, 50.909, 276.200



Tritanopia
46, 18.788, 214.265

Trichromacy



Original Color
46, 70.143, 298.718

Protanomaly
45, 70.043, 289.524

Deuteranomaly
45, 57.647, 283.939

Tritanomaly
45, 30.422, 273.957

Monochromacy



Original Color
46, 70.143, 298.718

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 25.678, 293.664

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 70.143, 298.718 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(94, 94, 213)` looks like.

```
.text, #text, p{  
    color:rgb(94, 94, 213)  
}
```

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(94, 94, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 94, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 70.143, 298.718 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(94, 94, 213) }
```

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

```
.border{ border-color:rgb(94, 94, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 94, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 94, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 94, 213);  
box-shadow:4px 4px 4px 4px rgb(94, 94,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 70.143, 298.718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 94, 213) }
```

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

```
.background{ background-color: rgb(94, 94,  
213) }
```

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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