

Converting Colors

CIELCh(46, 69.649, 298.678)

Have a look what the booklet for
CIELCh(46, 69.649, 298.678)
contains.

CIELCh(46, 70.128, 298.901)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(46, 70.128, 298.901)

Conversions

Conversions Part 1

Format	Color
Hex	5F5ED5
RGB	95, 94, 213
RGB Percent	37%, 37%, 84%
CMY	0.6270, 0.6310, 0.1643
CMYK	0.55, 0.56, 0.00, 0.16
HSL	241°, 59%, 60%
HSV	241°, 56%, 84%
XYZ	20.7639, 15.2687, 64.8708
YIQ	107.8650, -37.6030, 37.2210

Conversions

Conversions Part 2

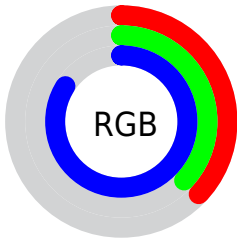
Format	Color
R _Y B	95, 94, 213
Decimal	6250197
CIE Lab	46.00, 33.89, -61.39
CIE LCh	46, 70.128, 298.901
Yxy	15.2687, 0.2058, 0.1513
Android (android.graphics.Color)	4284440277 (0xFF5F5ED5)
YUV	107.8650, 51.8316, -11.2826
Hunter-Lab	39.0751, 26.4703, -71.0780

Details

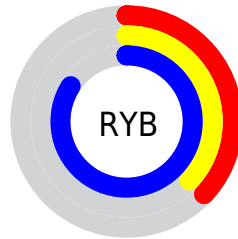
The CIELCh color **46, 70.128, 298.901** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted blue. A complement of this color would be **83, 59.647, 105.369**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 61.148, 298.511**, and **26, 69.807, 298.830** is the 20% darker color. If you saturate the color by 10%, you get **40, 83.947, 301.064**, and if you desaturate by 10%, it is **53, 56.440, 296.882**.

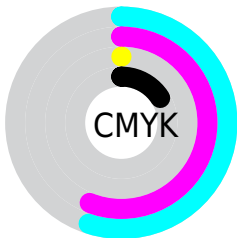
Distribution



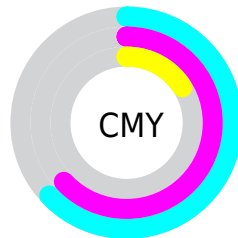
- Red (37%)
- Green (37%)
- Blue (84%)



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



- Cyan (55%)
- Magenta (56%)
- Yellow (0%)
- Black (16%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 70.128, 298.901 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, 70.128, 298.901 by changing the saturation by 10% instead.


 46, 70.128,
298.901


 46, 70.128,
298.901


 100, 70.128,
298.901


 36, 70.128,
298.901

 66, 70.128,
298.901


 26, 70.128,
298.901

 76, 70.128,
298.901

 16, 70.128,
298.901

 86, 70.128,
298.901

 6, 70.128, 298.901

 96, 70.128,
298.901

 0, 70.128, 298.901

 46, 70.128,

 46, 70.128,

298.901

■ 40, 83.947,
301.064

■ 34, 97.099,
303.176

■ 30, 108.049,
304.929

■ 27, 114.882,
305.998

■ 26, 116.825,
306.308

298.901

■ 53, 56.440,
296.882

■ 60, 43.199,
295.088

■ 67, 30.490,
293.538

■ 74, 18.310,
292.218

■ 81, 6.627, 291.102

■ 88, 4.595, 110.127

■ 95, 15.393,
109.328

■ 99, 21.171,
108.574

Harmonies

Complementary

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



46, 70.128, 298.901



83, 59.647, 105.369

Rectangle

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



46, 70.128, 298.901



46, 70.128, 348.901



46, 70.128, 118.901



46, 70.128, 168.901

Sweetspot

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



46, 70.128, 298.902



86, 22.781, 292.380



79, 34.607, 196.995



44, 15.301, 292.637



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, 70.128, 298.902



46, 98.988, 301.464



51, 70.319, 311.899



41, 6.501, 291.478



20, 99.078, 306.315



2, 27.584, 294.258

Inverse Universe

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



59, 73.505, 327.541



66, 97.495, 327.976



79, 64.668, 126.550



42, 7.802, 325.167



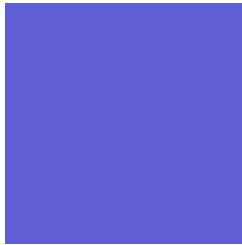
40, 85.035, 328.575



6, 32.748, 328.320

Previews

White Background



This preview shows how the CIELCh color 46, 70.128, 298.901 looks on a white background.

Color Contrast Check

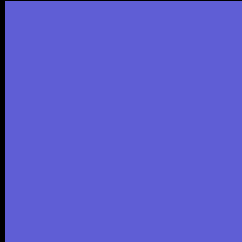
Large Text (above 18pt) WCAG AA ✓ Pass

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, 70.128, 298.901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

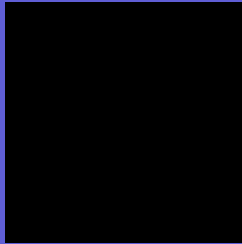
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 70.128, 298.901

Background



This preview shows how black text looks on a background with the CIELCh color 46, 70.128, 298.901.



This preview shows how white text looks on a background with the CIELCh color 46, 70.128, 298.901.

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, 70.128, 298.901

Protanopia

46, 70.019, 287.372

Deuteranopia

46, 50.909, 276.200



Tritanopia
46, 18.544, 214.514

Trichromacy



Original Color
46, 70.128, 298.901

Protanomaly
45, 70.030, 289.592

Deuteranomaly
45, 57.629, 284.032

Tritanomaly
45, 30.349, 274.419

Monochromacy



Original Color
46, 70.128, 298.901

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, 70.128, 298.901 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(95, 94, 213)` looks like.

```
.text, #text, p{  
    color:rgb(95, 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(95, 94, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 94, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 70.128, 298.901 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(95, 94, 213) }
```

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

```
.border{ border-color:rgb(95, 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(95, 94, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 94, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 94, 213);  
box-shadow:4px 4px 4px 4px rgb(95, 94,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 70.128, 298.901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 94, 213) }
```

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

```
.background{ background-color: rgb(95, 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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