

Converting Colors

CIELCh(46, 66.939, 298.340)

Have a look what the booklet for
CIELCh(46, 66.939, 298.340)
contains.

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Color

CIELCh(46, 67.260, 298.421)

Conversions

Conversions Part 1

Format	Color
Hex	5F5FD1
RGB	95, 95, 209
RGB Percent	37%, 37%, 82%
CMY	0.6267, 0.6268, 0.1797
CMYK	0.54, 0.55, 0.00, 0.18
HSL	240°, 55%, 60%
HSV	240°, 55%, 82%
XYZ	20.3773, 15.2687, 62.3141
YIQ	107.9960, -36.5940, 35.4540

Conversions

Conversions Part 2

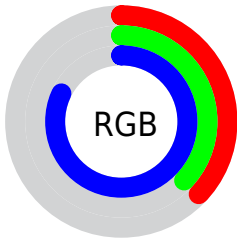
Format	Color
R_{YB}	95, 95, 209
Decimal	6250449
CIE _{Lab}	46.00, 32.01, -59.15
CIE _{LCh}	46, 67.260, 298.421
Yxy	15.2687, 0.2080, 0.1559
Android (android.graphics.Color)	4284440529 (0xFF5F5FD1)
YUV	107.9960, 49.7950, -11.3975
Hunter-Lab	39.0751, 24.7044, -67.1987

Details

The CIELCh color **46, 67.260, 298.421** 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 **82, 57.521, 105.085**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 60.534, 297.945**, and **26, 67.379, 298.371** is the 20% darker color. If you saturate the color by 10%, you get **40, 80.904, 300.614**, and if you desaturate by 10%, it is **53, 53.817, 296.394**.

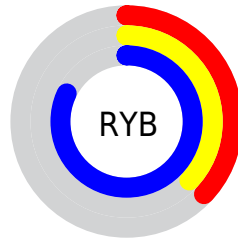
Distribution



Red (37%)

Green (37%)

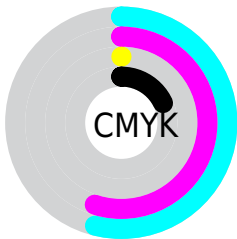
Blue (82%)



Red (37%)

Yellow (37%)

Blue (82%)

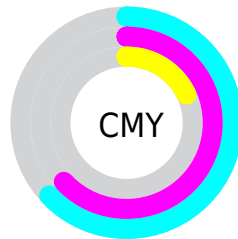


Cyan (54%)

Magenta (55%)

Yellow (0%)

Black (18%)



Cyan (63%)


Magenta (63%)


Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 67.260, 298.421 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, 67.260, 298.421 by changing the saturation by 10% instead.


 46, 67.260,
298.421


 46, 67.260,
298.421


 100, 67.260,
298.421


 36, 67.260,
298.421

 66, 67.260,
298.421


 26, 67.260,
298.421

 76, 67.260,
298.421

 16, 67.260,
298.421

 86, 67.260,
298.421

 6, 67.260, 298.421

 96, 67.260,
298.421

 0, 67.260, 298.421

 46, 67.260,

 46, 67.260,

298.421

40, 80.904,
300.614

34, 94.046,
302.793

29, 105.269,
304.657

27, 112.657,
305.868

26, 115.249,
306.288

298.421

53, 53.817,
296.394

60, 40.841,
294.604

67, 28.394,
293.063

74, 16.466,
291.753

81, 5.022, 290.650

88, 5.974, 109.682

95, 16.556,
108.888

99, 23.138,
108.424

Harmonies

Complementary

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



46, 67.260, 298.421



82, 57.521, 105.085

Rectangle

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



46, 67.260, 298.421



46, 67.260, 348.421



46, 67.260, 118.421



46, 67.260, 168.421

Sweetspot

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



46, 67.260, 298.422



87, 21.395, 291.957



78, 33.553, 197.034



45, 14.506, 292.219



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, 67.260, 298.422



48, 95.873, 300.888



51, 67.614, 311.832



40, 6.372, 291.164



19, 98.026, 306.288



1, 25.555, 293.225

Inverse Universe

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



58, 71.349, 327.239



66, 95.979, 327.652



78, 62.325, 126.596



41, 7.691, 324.945



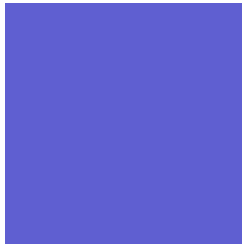
40, 84.636, 328.247



6, 31.104, 327.836

Previews

White Background



This preview shows how the CIELCh color 46, 67.260, 298.421 looks on a white background.

Color Contrast Check

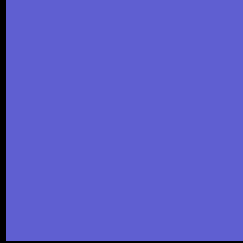
Large Text (above 18pt) WCAG AA ✓ Pass

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, 67.260, 298.421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

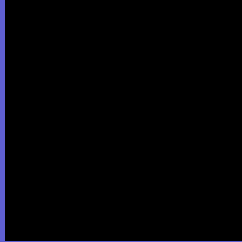
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 46, 67.260, 298.421

Background



This preview shows how black text looks on a background with the CIELCh color 46, 67.260, 298.421.

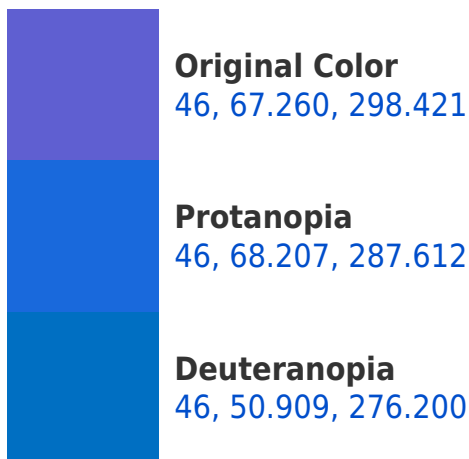


This preview shows how white text looks on a background with the CIELCh color 46, 67.260, 298.421.

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, 17.626, 217.621

Trichromacy



Original Color
46, 67.260, 298.421

Protanomaly
46, 68.126, 290.477

Deuteranomaly
45, 57.080, 283.770

Tritanomaly
45, 29.631, 275.415

Monochromacy



Original Color
46, 67.260, 298.421

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 25.086, 293.589

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 67.260, 298.421 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, 95, 209)` looks like.

```
.text, #text, p{  
    color:rgb(95, 95, 209)  
}
```

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, 95, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 95, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 67.260, 298.421 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, 95, 209) }
```

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

```
.border{ border-color:rgb(95, 95, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 95, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 95, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 95, 209);  
box-shadow:4px 4px 4px 4px rgb(95, 95,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 67.260, 298.421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 95, 209) }
```

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

```
.background{ background-color: rgb(95, 95,  
209) }
```

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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