

Converting Colors

CIELCh(46, 95.416, 301.100)

Have a look what the booklet for
CIELCh(46, 95.416, 301.100)
contains.

CIELCh(46, 95.374, 301.058)	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, 95.374, 301.058)

Conversions

Conversions Part 1

Format	Color
Hex	5555F9
RGB	85, 85, 249
RGB Percent	33%, 33%, 98%
CMY	0.6666, 0.6667, 0.0235
CMYK	0.66, 0.66, 0.00, 0.02
HSL	240°, 93%, 65%
HSV	240°, 66%, 98%
XYZ	24.0949, 15.2687, 91.3026
YIQ	103.6960, -52.6440, 51.0040

Conversions

Conversions Part 2

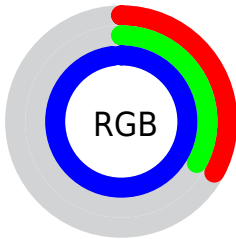
Format	Color
R _Y B	85, 85, 249
Decimal	5592569
CIE Lab	46.00, 49.20, -81.70
CIE LCh	46, 95.374, 301.058
Yxy	15.2687, 0.1844, 0.1169
Android (android.graphics.Color)	4283782649 (0xFF5555F9)
YUV	103.6960, 71.6349, -16.3964
Hunter-Lab	39.0751, 41.6868, -111.1838

Details

The CIELCh color **46, 95.374, 301.058** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted blue. A complement of this color would be **95, 77.486, 104.163**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 66.644, 300.536**, and **27, 94.469, 302.534** is the 20% darker color. If you saturate the color by 10%, you get **40, 110.217, 303.224**, and if you desaturate by 10%, it is **53, 79.685, 298.828**.

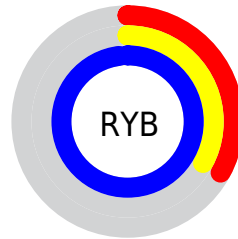
Distribution



Red (33%)

Green (33%)

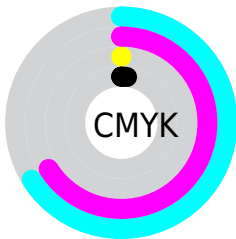
Blue (98%)



Red (33%)

Yellow (33%)

Blue (98%)

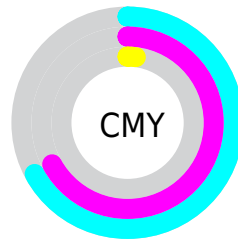


Cyan (66%)

Magenta (66%)

Yellow (0%)

Black (2%)



Cyan (67%)


Magenta (67%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 95.374, 301.058 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, 95.374, 301.058 by changing the saturation by 10% instead.


 46, 95.374,
301.058


 46, 95.374,
301.058


 100, 95.374,
301.058


 36, 95.374,
301.058

 66, 95.374,
301.058


 26, 95.374,
301.058

 76, 95.374,
301.058

 16, 95.374,
301.058

 86, 95.374,
301.058

 6, 95.374, 301.058

 96, 95.374,
301.058

 0, 95.374, 301.058

 46, 95.374,

 46, 95.374,

301.058

40, 110.217,
303.224

35, 122.370,
304.992

32, 129.624,
306.032

31, 131.424,
306.287

301.058

53, 79.685,
298.828

61, 64.123,
296.739

69, 49.071,
294.885

77, 34.632,
293.287

85, 20.800,
291.927

93, 7.539, 290.782

100, 3.030,
109.926

Harmonies

Complementary

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



46, 95.374, 301.058



95, 77.486, 104.163

Rectangle

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



46, 95.374, 301.058



46, 95.374, 351.058



46, 95.374, 121.058



46, 95.374, 171.058

Sweetspot

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



46, 95.375, 301.059



84, 26.967, 292.466



90, 43.214, 196.739



42, 18.507, 292.851



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, 95.375, 301.059



39, 116.640, 303.858



54, 93.448, 312.335



48, 7.380, 291.174



23, 106.708, 306.287



3, 42.026, 300.808

Inverse Universe

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



65, 95.082, 327.668



63, 108.046, 328.011



90, 84.478, 126.321



49, 8.907, 324.948



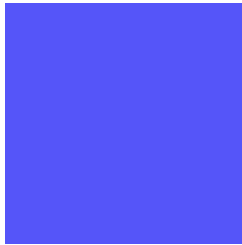
45, 92.151, 328.236



12, 41.693, 328.235

Previews

White Background



This preview shows how the CIELCh color 46, 95.374, 301.058 looks on a white background.

Color Contrast Check

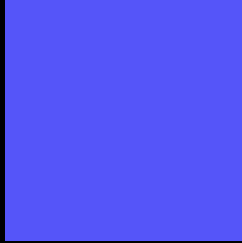
Large Text (above 18pt) WCAG AA ✓ Pass

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, 95.374, 301.058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

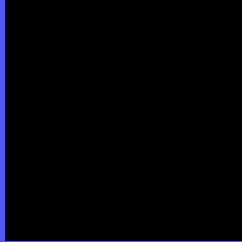
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 95.374, 301.058

Background



This preview shows how black text looks on a background with the CIELCh color 46, 95.374, 301.058.



This preview shows how white text looks on a background with the CIELCh color 46, 95.374, 301.058.

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, 95.374, 301.058

Protanopia

46, 68.996, 287.168

Deuteranopia

46, 48.331, 274.151



Tritanopia
46, 27.730, 207.919

Trichromacy



Original Color
46, 95.374, 301.058

Protanomaly
45, 79.209, 292.534

Deuteranomaly
45, 65.035, 287.411

Tritanomaly
44, 41.621, 272.034

Monochromacy



Original Color
46, 95.374, 301.058

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 36.028, 295.091

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 95.374, 301.058 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(85, 85, 249)` looks like.

```
.text, #text, p{  
    color:rgb(85, 85, 249)  
}
```

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(85, 85, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 85, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 95.374, 301.058 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(85, 85, 249) }
```

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

```
.border{ border-color:rgb(85, 85, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 85, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 85, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 85, 249);  
box-shadow:4px 4px 4px 4px rgb(85, 85,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 95.374, 301.058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 85, 249) }
```

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

```
.background{ background-color: rgb(85, 85,  
249) }
```

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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