

Converting Colors

CIELCh(46, 99.008, 301.204)

Have a look what the booklet for
CIELCh(46, 99.008, 301.204)
contains.

CIELCh(46, 98.659, 301.135)	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>	25

Color

CIELCh(46, 98.659, 301.135)

Conversions

Conversions Part 1

Format	Color
Hex	5254FE
RGB	82, 84, 254
RGB Percent	32%, 33%, 100%
CMY	0.6788, 0.6709, 0.0043
CMYK	0.68, 0.67, 0.00, 0.00
HSL	239°, 99%, 66%
HSV	239°, 68%, 100%
XYZ	24.5103, 15.2687, 95.3485
YIQ	102.7820, -55.7620, 52.4460

Conversions

Conversions Part 2

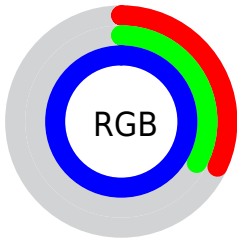
Format	Color
RYB	82, 84, 254
Decimal	5395710
CIELab	46.00, 51.01, -84.45
CIELCh	46, 98.659, 301.135
Yxy	15.2687, 0.1814, 0.1130
Android (android.graphics.Color)	4283585790 (0xFF5254FE)
YUV	102.7820, 74.5505, -18.2258
Hunter-Lab	39.0751, 43.5845, -117.3228

Details

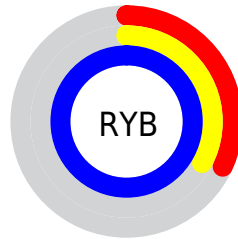
The CIELCh color **46, 98.659, 301.135** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted blue. A complement of this color would be **96, 79.674, 103.440**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 67.246, 300.330**, and **28, 97.484, 302.898** is the 20% darker color. If you saturate the color by 10%, you get **40, 113.401, 303.318**, and if you desaturate by 10%, it is **53, 82.913, 298.857**.

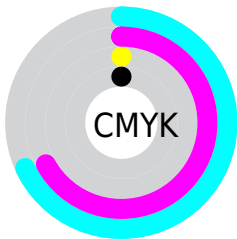
Distribution



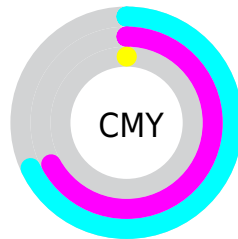
- Red (32%)
- Green (33%)
- Blue (100%)



- Red (32%)
- Yellow (33%)
- Blue (100%)



- Cyan (68%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)




- Cyan (68%)
- Magenta (67%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 98.659, 301.135 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, 98.659, 301.135 by changing the saturation by 10% instead.


 46, 98.659,
301.135


 46, 98.659,
301.135


 100, 98.659,
301.135


 36, 98.659,
301.135

 66, 98.659,
301.135


 26, 98.659,
301.135

 76, 98.659,
301.135

 16, 98.659,
301.135

 86, 98.659,
301.135

 6, 98.659, 301.135

 96, 98.659,
301.135

 0, 98.659, 301.135

 46, 98.659,

 46, 98.659,

301.135

■ 40, 113.401,
303.318

■ 35, 125.209,
305.064

■ 33, 131.958,
306.058

■ 32, 132.919,
306.192

301.135

■ 53, 82.913,
298.857

■ 61, 67.222,
296.705

■ 69, 52.018,
294.785

■ 77, 37.423,
293.125

■ 85, 23.440,
291.711

■ 93, 10.030,
290.516

■ 100, 0.539,
109.994

Harmonies

Complementary

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



46, 98.659, 301.135



96, 79.674, 103.440

Rectangle

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



46, 98.659, 301.135



46, 98.659, 351.135



46, 98.659, 121.135



46, 98.659, 171.135

Sweetspot

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



46, 98.660, 301.136



84, 26.633, 292.010



91, 44.910, 194.747



42, 18.277, 292.399



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, 98.660, 301.136



38, 118.084, 303.955



53, 97.440, 311.939



49, 7.413, 290.712



23, 107.246, 306.151



3, 43.753, 301.567

Inverse Universe

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



60, 74.469, 29.203



56, 89.671, 33.967



92, 87.356, 125.719



49, 5.252, 18.989



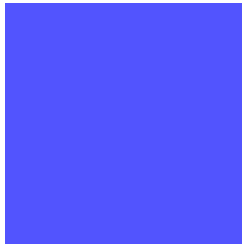
40, 83.690, 39.534



10, 33.269, 26.707

Previews

White Background



This preview shows how the CIE LCh color 46, 98.659, 301.135 looks on a white background.

Color Contrast Check

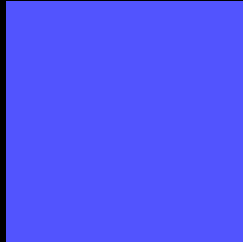
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.659, 301.135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

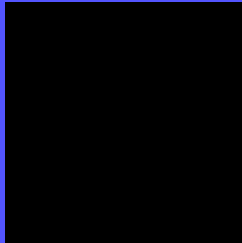
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 98.659, 301.135

Background



This preview shows how black text looks on a background with the CIELCh color 46, 98.659, 301.135.



This preview shows how white text looks on a background with the CIELCh color 46, 98.659, 301.135.

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, 98.659, 301.135

Protanomaly
45, 79.767, 292.617

Tritanomaly
44, 42.165, 272.402

Monochromacy



Original Color
46, 98.659, 301.135

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 37.268, 294.796

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 98.659, 301.135 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(82, 84, 254)` looks like.

```
.text, #text, p{  
    color:rgb(82, 84, 254)  
}
```

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(82, 84, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 84, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 98.659, 301.135 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(82, 84, 254) }
```

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

```
.border{ border-color:rgb(82, 84, 254) }
```

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

Here you see how a box with a 4 pixel rgb(82, 84, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 84, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 84, 254);  
box-shadow:4px 4px 4px 4px rgb(82, 84,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 98.659, 301.135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 84, 254) }
```

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

```
.background{ background-color: rgb(82, 84,  
254) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor