

Converting Colors

CIELCh(46, 99.179, 301.408)

Have a look what the booklet for
CIELCh(46, 99.179, 301.408)
contains.

CIELCh(46, 99.190, 301.489)	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, 99.190, 301.489)

Conversions

Conversions Part 1

Format	Color
Hex	5453FE
RGB	84, 83, 254
RGB Percent	33%, 33%, 100%
CMY	0.6697, 0.6740, 0.0033
CMYK	0.67, 0.67, 0.00, 0.00
HSL	240°, 99%, 66%
HSV	240°, 67%, 100%
XYZ	24.6952, 15.2687, 95.5519
YIQ	102.7930, -54.2950, 53.3930

Conversions

Conversions Part 2

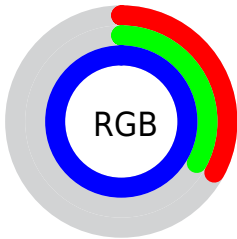
Format	Color
RYB	84, 83, 254
Decimal	5526526
CIELab	46.00, 51.81, -84.58
CIELCh	46, 99.190, 301.489
Yxy	15.2687, 0.1822, 0.1127
Android (android.graphics.Color)	4283716606 (0xFF5453FE)
YUV	102.7930, 74.5451, -16.4815
Hunter-Lab	39.0751, 44.4290, -117.6315

Details

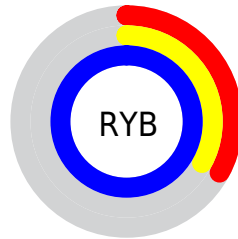
The CIELCh color **46, 99.190, 301.489** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted blue. A complement of this color would be **97, 80.067, 104.380**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 67.872, 301.048**, and **27, 97.989, 303.052** is the 20% darker color. If you saturate the color by 10%, you get **40, 113.997, 303.587**, and if you desaturate by 10%, it is **53, 83.300, 299.285**.

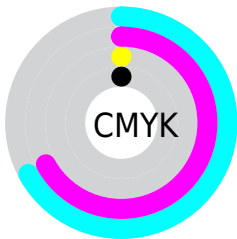
Distribution



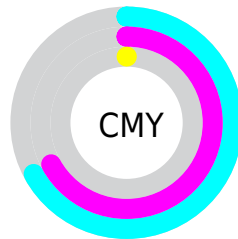
- Red (33%)
- Green (33%)
- Blue (100%)



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



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



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 99.190, 301.489 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, 99.190, 301.489 by changing the saturation by 10% instead.

 46, 99.190,
301.489


 46, 99.190,
301.489

 100, 99.190,
301.489


 36, 99.190,
301.489

 66, 99.190,
301.489


 26, 99.190,
301.489

 76, 99.190,
301.489

 16, 99.190,
301.489

 86, 99.190,
301.489

 6, 99.190, 301.489

 96, 99.190,
301.489

 0, 99.190, 301.489

 46, 99.190,

 46, 99.190,

301.489

301.489

■ 40, 113.997,
303.587

■ 53, 83.300,
299.285

■ 35, 125.732,
305.235

■ 61, 67.434,
297.195

■ 33, 132.284,
306.136

■ 69, 52.047,
295.329

■ 32, 133.457,
306.300

■ 77, 37.274,
293.713

■ 86, 23.122,
292.335

■ 94, 9.557, 291.172

100, 0.411,
109.959

Harmonies

Complementary

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



46, 99.190, 301.489



97, 80.067, 104.380

Rectangle

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



46, 99.190, 301.489



46, 99.190, 351.489



46, 99.190, 121.489



46, 99.190, 171.489

Sweetspot

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



46, 99.191, 301.490



84, 26.968, 292.687



92, 44.414, 196.708



42, 18.508, 293.068



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, 99.191, 301.490



38, 119.148, 304.272



54, 96.878, 312.383



49, 7.504, 291.413



23, 107.749, 306.305



3, 44.143, 301.889

Inverse Universe

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



65, 97.678, 327.913



62, 108.818, 328.266



92, 87.374, 126.310



50, 9.018, 325.116



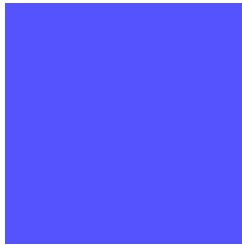
45, 92.621, 328.486



12, 42.635, 328.456

Previews

White Background



This preview shows how the CIELCh color 46, 99.190, 301.489 looks on a white background.

Color Contrast Check

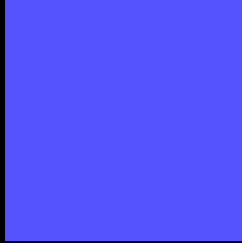
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 46, 99.190, 301.489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

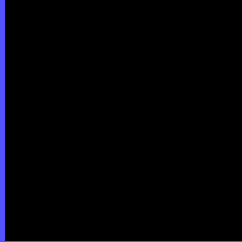
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 99.190, 301.489

Background



This preview shows how black text looks on a background with the CIELCh color 46, 99.190, 301.489.




This preview shows how white text looks on a background with the CIELCh color 46, 99.190, 301.489.

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, 27.730, 207.919

Trichromacy



Original Color
46, 99.190, 301.489

Protanomaly
45, 80.391, 292.971

Deuteranomaly
45, 66.762, 288.226

Tritanomaly
44, 42.646, 273.024

Monochromacy



Original Color
46, 99.190, 301.489

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 37.267, 295.270

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 99.190, 301.489 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(84, 83, 254)` looks like.

```
.text, #text, p{  
    color:rgb(84, 83, 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(84, 83, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 83, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 99.190, 301.489 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(84, 83, 254) }
```

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

```
.border{ border-color:rgb(84, 83, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 83, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 83, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 83, 254);  
box-shadow:4px 4px 4px 4px rgb(84, 83,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 99.190, 301.489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 83, 254) }
```

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

```
.background{ background-color: rgb(84, 83,  
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](#).

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