

Converting Colors

CIELCh(46, 93.409, 305.587)

Have a look what the booklet for
CIELCh(46, 93.409, 305.587)
contains.

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Color

CIELCh(46, 93.350, 305.628)

Conversions

Conversions Part 1

Format	Color
Hex	734EEF
RGB	115, 78, 239
RGB Percent	45%, 31%, 94%
CMY	0.5499, 0.6949, 0.0636
CMYK	0.52, 0.67, 0.00, 0.06
HSL	254°, 83%, 62%
HSV	254°, 67%, 94%
XYZ	25.2962, 15.2687, 83.1009
YIQ	107.4170, -29.6290, 57.9150

Conversions

Conversions Part 2

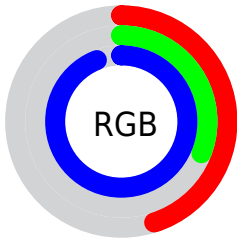
Format	Color
R _Y B	115, 78, 239
Decimal	7556847
CIE Lab	46.00, 54.38, -75.88
CIE LCh	46, 93.350, 305.628
Yxy	15.2687, 0.2046, 0.1235
Android (android.graphics.Color)	4285746927 (0xFF734EEF)
YUV	107.4170, 64.8704, 6.6503
Hunter-Lab	39.0751, 47.1748, -98.7392

Details

The CIELCh color **46, 93.350, 305.628** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **89, 77.927, 115.283**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 70.746, 307.571**, and **26, 93.410, 305.587** is the 20% darker color. If you saturate the color by 10%, you get **40, 106.547, 306.633**, and if you desaturate by 10%, it is **53, 79.000, 304.480**.

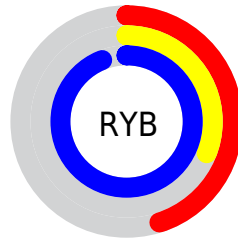
Distribution



Red (45%)

Green (31%)

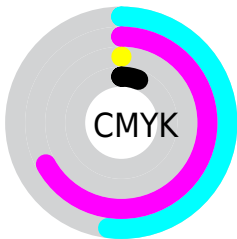
Blue (94%)



Red (45%)

Yellow (31%)

Blue (94%)

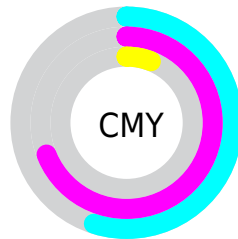


Cyan (52%)

Magenta (67%)

Yellow (0%)

Black (6%)



Cyan (55%)


Magenta (69%)

Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 93.350, 305.628 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, 93.350, 305.628 by changing the saturation by 10% instead.

 46, 93.350,
305.628


 46, 93.350,
305.628


 100, 93.350,
305.628


 36, 93.350,
305.628

 66, 93.350,
305.628


 26, 93.350,
305.628

 76, 93.350,
305.628

 16, 93.350,
305.628

 86, 93.350,
305.628

 6, 93.350, 305.628

 96, 93.350,
305.628

 0, 93.350, 305.628

 46, 93.350,

 46, 93.350,

305.628

305.628

40, 106.547,
306.633

53, 79.000,
304.480

36, 117.191,
307.290

60, 64.384,
303.323

32, 123.821,
307.407

67, 49.962,
302.237

32, 125.128,
307.409

74, 35.944,
301.254

82, 22.407,
300.385

89, 9.366, 299.624

96, 3.190, 118.978

100, 8.213,
109.553

Harmonies

Complementary

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



46, 93.350, 305.628



89, 77.927, 115.283

Rectangle

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



46, 93.350, 305.628



46, 93.350, 355.628



46, 93.350, 125.628



46, 93.350, 175.628

Sweetspot

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



46, 93.350, 305.629



84, 27.279, 300.605



77, 36.378, 228.831



43, 18.710, 300.847



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, 93.350, 305.629



41, 116.729, 306.941



55, 92.128, 318.746



46, 7.227, 299.773



23, 102.576, 307.531



3, 38.500, 304.116

Inverse Universe

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



60, 80.105, 336.573



60, 93.146, 337.939



85, 88.634, 132.831



47, 7.336, 332.164



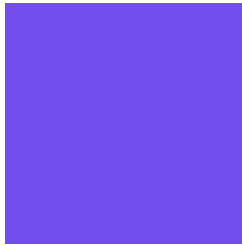
41, 75.672, 340.008



9, 33.814, 338.013

Previews

White Background



This preview shows how the CIELCh color 46, 93.350, 305.628 looks on a white background.

Color Contrast Check

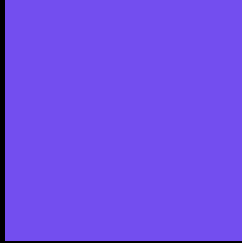
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.350, 305.628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

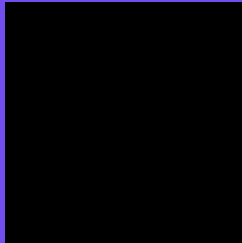
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 93.350, 305.628

Background



This preview shows how black text looks on a background with the CIELCh color 46, 93.350, 305.628.



This preview shows how white text looks on a background with the CIELCh color 46, 93.350, 305.628.

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, 93.350, 305.628

Protanopia

46, 68.926, 286.968

Deuteranopia

46, 49.357, 274.996



Tritanopia
46, 13.434, 221.820

Trichromacy



Original Color
46, 93.350, 305.628



Protanomaly
45, 78.149, 293.298



Deuteranomaly
44, 65.076, 288.989



Tritanomaly
45, 38.213, 291.172

Monochromacy



Original Color
46, 93.350, 305.628



Achromatopsia
45, 0.006, 296.813



Achromatomaly
44, 35.750, 302.435

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 93.350, 305.628 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(115, 78, 239)` looks like.

```
.text, #text, p{  
    color:rgb(115, 78, 239)  
}
```

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(115, 78, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 78, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 93.350, 305.628 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(115, 78, 239) }
```

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

```
.border{ border-color:rgb(115, 78, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 78, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 78, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 78, 239);  
box-shadow:4px 4px 4px 4px rgb(115, 78,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 93.350, 305.628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 78, 239) }
```

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

```
.background{ background-color: rgb(115, 78,  
239) }
```

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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