

Converting Colors

CIELCh(45, 98.430, 308.314)

Have a look what the booklet for
CIELCh(45, 98.430, 308.314)
contains.

CIELCh(45, 98.406, 308.327)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 98.406, 308.327)

Conversions

Conversions Part 1

Format	Color
Hex	7C43EE
RGB	124, 67, 238
RGB Percent	49%, 26%, 93%
CMY	0.5125, 0.7363, 0.0655
CMYK	0.48, 0.72, 0.00, 0.07
HSL	260°, 84%, 60%
HSV	260°, 72%, 93%
XYZ	25.8519, 14.5417, 82.5530
YIQ	103.5370, -20.9190, 65.2650

Conversions

Conversions Part 2

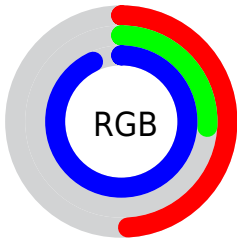
Format	Color
RYB	124, 67, 238
Decimal	8143854
CIELab	45.00, 61.03, -77.20
CIElCh	45, 98.406, 308.327
Yxy	14.5417, 0.2103, 0.1183
Android (android.graphics.Color)	4286333934 (0xFF7C43EE)
YUV	103.5370, 66.2903, 17.9461
Hunter-Lab	38.1336, 54.2766, -101.6597

Details

The CIELCh color **45, 98.406, 308.327** 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 **88, 83.371, 119.865**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 77.035, 311.226**, and **25, 98.605, 308.372** is the 20% darker color. If you saturate the color by 10%, you get **40, 110.014, 308.818**, and if you desaturate by 10%, it is **51, 84.994, 307.596**.

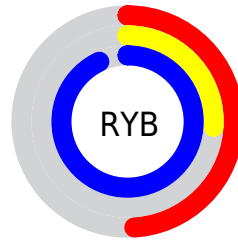
Distribution



Red (49%)

Green (26%)

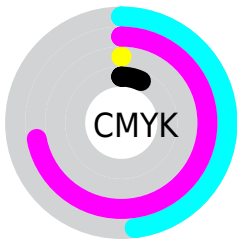
Blue (93%)



Red (49%)

Yellow (26%)

Blue (93%)

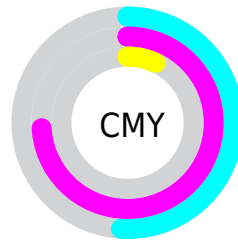


Cyan (48%)

Magenta (72%)

Yellow (0%)

Black (7%)



Cyan (51%)


Magenta (74%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 98.406, 308.327 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 45, 98.406, 308.327 by changing the saturation by 10% instead.


 45, 98.406,
308.327


 45, 98.406,
308.327


 100, 98.406,
308.327


 35, 98.406,
308.327

 65, 98.406,
308.327


 25, 98.406,
308.327

 75, 98.406,
308.327

 15, 98.406,
308.327

 85, 98.406,
308.327

 5, 98.406, 308.327

 95, 98.406,
308.327

 0, 98.406, 308.327

 45, 98.406,

 45, 98.406,

308.327

308.327

■ 40, 110.014,
308.818

■ 51, 84.994,
307.596

■ 36, 118.513,
308.895

■ 58, 70.799,
306.764

■ 34, 122.870,
308.635

■ 64, 56.455,
305.921

■ 71, 42.305,
305.120

■ 79, 28.516,
304.386

■ 86, 15.159,
303.727

■ 93, 2.255, 303.121

■ 99, 8.577, 118.279

100, 8.461,
109.535

Harmonies

Complementary

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



45, 98.406, 308.327



88, 83.371, 119.865

Rectangle

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



45, 98.406, 308.327



45, 98.406, 358.327



45, 98.406, 128.327



45, 98.406, 178.327

Sweetspot

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



45, 98.406, 308.328



83, 30.454, 304.407



70, 40.094, 249.848



42, 20.556, 304.601



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45, 98.406, 308.328



41, 120.355, 308.915



56, 96.545, 322.427



46, 7.322, 303.586



25, 100.856, 308.793



4, 38.926, 306.949

Inverse Universe

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



58, 77.897, 342.471



58, 88.873, 344.874



84, 95.719, 135.247



47, 6.812, 336.313



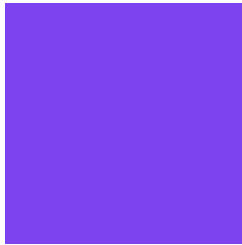
41, 70.670, 347.420



9, 31.749, 343.943

Previews

White Background



This preview shows how the CIELCh color 45, 98.406, 308.327 looks on a white background.

Color Contrast Check

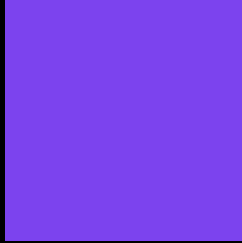
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 98.406, 308.327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

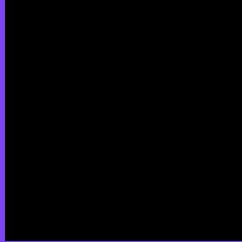
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 98.406, 308.327

Background



This preview shows how black text looks on a background with the CIELCh color 45, 98.406, 308.327.



This preview shows how white text looks on a background with the CIELCh color 45, 98.406, 308.327.

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

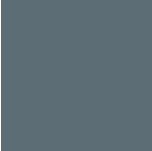
45, 98.406, 308.327

Protanopia

45, 68.040, 287.161

Deuteranopia

45, 47.838, 274.260



Tritanopia
45, 7.930, 236.021

Trichromacy



Original Color
45, 98.406, 308.327



Protanomaly
43, 80.278, 294.958



Deuteranomaly
43, 66.509, 290.760



Tritanomaly
44, 40.422, 300.102

Monochromacy



Original Color
45, 98.406, 308.327



Achromatopsia
44, 0.006, 296.813



Achromatomaly
43, 38.022, 305.369

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 98.406, 308.327 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(124, 67, 238)` looks like.

```
.text, #text, p{  
    color:rgb(124, 67, 238)  
}
```

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(124, 67, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 67, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 98.406, 308.327 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(124, 67, 238) }
```

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

```
.border{ border-color:rgb(124, 67, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 67, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 67, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 67, 238);  
box-shadow:4px 4px 4px 4px rgb(124, 67,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 98.406, 308.327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 67, 238) }
```

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

```
.background{ background-color: rgb(124, 67,  
238) }
```

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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