

Converting Colors

CIELCh(45, 112.588, 310.636)

Have a look what the booklet for
CIELCh(45, 112.588, 310.636)
contains.

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Color

CIELCh(45, 112.548, 310.603)

Conversions

Conversions Part 1

Format	Color
Hex	8732FD
RGB	135, 50, 253
RGB Percent	53%, 20%, 99%
CMY	0.4703, 0.8036, 0.0075
CMYK	0.47, 0.80, 0.00, 0.01
HSL	265°, 98%, 59%
HSV	265°, 80%, 99%
XYZ	28.8895, 14.5417, 94.2749
YIQ	98.5570, -14.5030, 81.1530

Conversions

Conversions Part 2

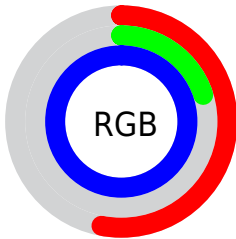
Format	Color
R _Y B	135, 50, 253
Decimal	8860413
CIE Lab	45.00, 73.25, -85.45
CIE LCh	45, 112.548, 310.603
Yxy	14.5417, 0.2098, 0.1056
Android (android.graphics.Color)	4287050493 (0xFF8732FD)
YUV	98.5570, 76.1404, 31.9605
Hunter-Lab	38.1336, 68.4953, -119.8849

Details

The CIELCh color **45, 112.548, 310.603** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **91, 96.394, 123.567**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 84.848, 315.259**, and **27, 105.240, 308.979** is the 20% darker color. If you saturate the color by 10%, you get **41, 121.357, 310.507**, and if you desaturate by 10%, it is **50, 100.678, 310.323**.

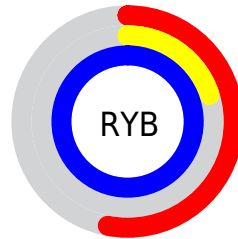
Distribution



Red (53%)

Green (20%)

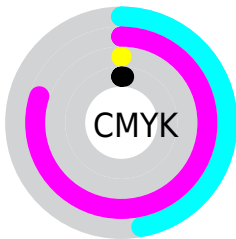
Blue (99%)



Red (53%)

Yellow (20%)

Blue (99%)

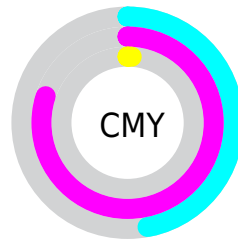


Cyan (47%)

Magenta (80%)

Yellow (0%)

Black (1%)



Cyan (47%)


Magenta (80%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 112.548, 310.603 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, 112.548, 310.603 by changing the saturation by 10% instead.


 45, 112.548,
310.603


 45, 112.548,
310.603


 100, 112.548,
310.603


 35, 112.548,
310.603


 65, 112.548,
310.603


 25, 112.548,
310.603


 75, 112.548,
310.603


 15, 112.548,
310.603


 85, 112.548,
310.603

 5, 112.548,
310.603

 95, 112.548,
310.603

 0, 112.548,
310.603

 45, 112.548,

 45, 112.548,

310.603

41, 121.357,
310.507

38, 126.516,
310.001

310.603

50, 100.678,
310.323

56, 86.934,
309.808

63, 72.285,
309.177

70, 57.370,
308.511

77, 42.562,
307.858

85, 28.059,
307.245

92, 13.958,
306.684

99, 0.297, 305.828

100, 0.965,
110.026

Harmonies

Complementary

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



45, 112.548, 310.603



91, 96.394, 123.567

Rectangle

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



45, 112.548, 310.603



45, 112.548, 0.603



45, 112.548, 130.603



45, 112.548, 180.603

Sweetspot

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



45, 112.548, 310.604



82, 33.715, 307.472



66, 51.122, 265.960



41, 23.283, 307.692



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, 112.548, 310.604



39, 125.409, 310.228



59, 108.134, 325.181



49, 7.810, 306.646



28, 102.281, 310.184



5, 44.910, 310.683

Inverse Universe

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



58, 82.439, 349.513



56, 86.331, 353.934



88, 109.716, 136.125



50, 6.748, 340.220



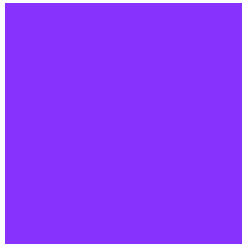
42, 69.810, 354.620



11, 32.861, 350.305

Previews

White Background



This preview shows how the CIELCh color 45, 112.548, 310.603 looks on a white background.

Color Contrast Check

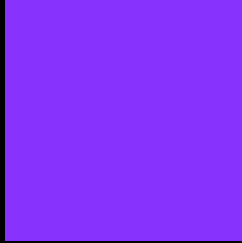
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 112.548, 310.603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

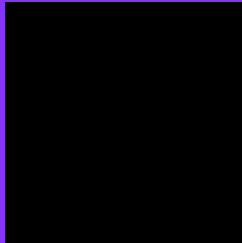
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 112.548, 310.603

Background



This preview shows how black text looks on a background with the CIELCh color 45, 112.548, 310.603.



This preview shows how white text looks on a background with the CIELCh color 45, 112.548, 310.603.

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, 112.548, 310.603

Protanopia

45, 67.422, 286.747

Deuteranopia

45, 47.838, 274.260



Tritanopia
45, 5.451, 260.666

Trichromacy



Original Color
45, 112.548, 310.603



Protanomaly
42, 86.121, 297.062



Deuteranomaly
42, 73.094, 294.005



Tritanomaly
43, 48.314, 306.584

Monochromacy



Original Color
45, 112.548, 310.603



Achromatopsia
42, 0.006, 296.813



Achromatomaly
41, 45.988, 308.916

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 112.548, 310.603 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(135, 50, 253)` looks like.

```
.text, #text, p{  
    color:rgb(135, 50, 253)  
}
```

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(135, 50, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 50, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 112.548, 310.603 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(135, 50, 253) }
```

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

```
.border{ border-color:rgb(135, 50, 253) }
```

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

Here you see how a box with a 4 pixel rgb(135, 50, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 50, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 50, 253);  
box-shadow:4px 4px 4px 4px rgb(135, 50,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 112.548, 310.603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 50, 253) }
```

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

```
.background{ background-color: rgb(135, 50,  
253) }
```

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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