

Converting Colors

CIELCh(45, 111.049, 310.819)

Have a look what the booklet for
CIELCh(45, 111.049, 310.819)
contains.

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Color

CIELCh(45, 111.169, 310.741)

Conversions

Conversions Part 1

Format	Color
Hex	8833FB
RGB	136, 51, 251
RGB Percent	53%, 20%, 98%
CMY	0.4671, 0.8004, 0.0161
CMYK	0.46, 0.80, 0.00, 0.02
HSL	266°, 96%, 59%
HSV	266°, 80%, 98%
XYZ	28.7108, 14.5417, 92.4742
YIQ	99.2150, -13.5400, 80.2200

Conversions

Conversions Part 2

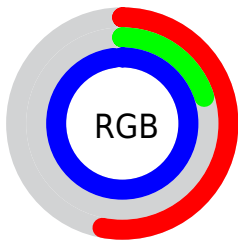
Format	Color
R_{YB}	136, 51, 251
Decimal	8926203
CIE _{Lab}	45.00, 72.55, -84.23
CIE _{LCh}	45, 111.169, 310.741
Yxy	14.5417, 0.2115, 0.1071
Android (android.graphics.Color)	4287116283 (0xFF8833FB)
YUV	99.2150, 74.8300, 32.2604
Hunter-Lab	38.1336, 67.6590, -117.0851

Details

The CIELCh color $45, 111.169, 310.741$ 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 $90, 95.550, 123.785$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 84.328, 315.372$, and $27, 104.147, 309.204$ is the 20% darker color. If you saturate the color by 10%, you get $41, 120.059, 310.654$, and if you desaturate by 10%, it is $50, 99.303, 310.461$.

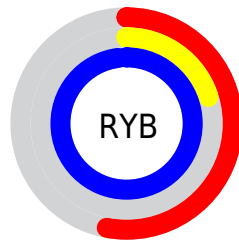
Distribution



Red (53%)

Green (20%)

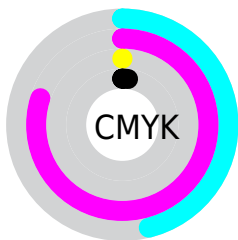
Blue (98%)



Red (53%)

Yellow (20%)

Blue (98%)

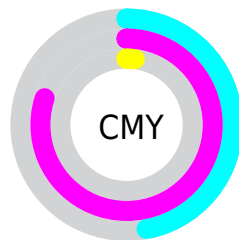


Cyan (46%)

Magenta (80%)

Yellow (0%)

Black (2%)



Cyan (47%)


Magenta (80%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 111.169, 310.741 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, 111.169, 310.741 by changing the saturation by 10% instead.


 45, 111.169,
310.741


 45, 111.169,
310.741


 100, 111.169,
310.741


 35, 111.169,
310.741


 65, 111.169,
310.741


 25, 111.169,
310.741


 75, 111.169,
310.741


 15, 111.169,
310.741


 85, 111.169,
310.741

 5, 111.169,
310.741

 95, 111.169,
310.741

 0, 111.169,
310.741

 45, 111.169,

 45, 111.169,

310.741

■ 41, 120.059,
310.654

■ 38, 125.386,
310.138

■ 38, 125.518,
310.123

310.741

■ 50, 99.303,
310.461

■ 56, 85.624,
309.953

■ 63, 71.073,
309.332

■ 70, 56.269,
308.677

■ 77, 41.575,
308.035

■ 84, 27.185,
307.432

■ 92, 13.191,
306.878

■ 99, 0.367, 126.694

100, 2.070,
109.986

Harmonies

Complementary

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



45, 111.169, 310.741



90, 95.550, 123.785

Rectangle

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



45, 111.169, 310.741



45, 111.169, 0.741



45, 111.169, 130.741



45, 111.169, 180.741

Sweetspot

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



45, 111.169, 310.742



82, 33.746, 307.686



66, 50.509, 265.719



41, 23.303, 307.903



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, 111.169, 310.742



40, 125.253, 310.350



59, 107.074, 325.180



48, 7.690, 306.867



28, 101.121, 310.312



5, 43.139, 310.555

Inverse Universe

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



58, 81.423, 349.833



56, 86.114, 354.476



87, 108.595, 136.154



49, 6.608, 340.524



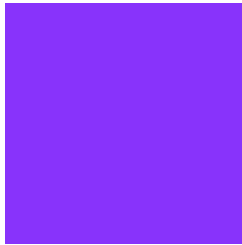
41, 68.959, 355.141



10, 31.952, 350.531

Previews

White Background



This preview shows how the CIELCh color 45, 111.169, 310.741 looks on a white background.

Color Contrast Check

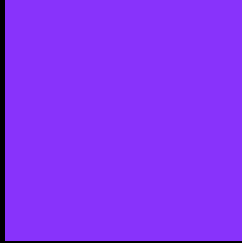
Large Text (above 18pt) WCAG AA ✓ Pass

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, 111.169, 310.741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

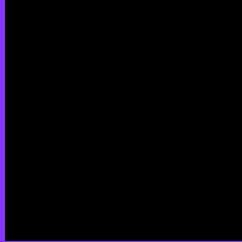
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 111.169, 310.741

Background



This preview shows how black text looks on a background with the CIELCh color 45, 111.169, 310.741.



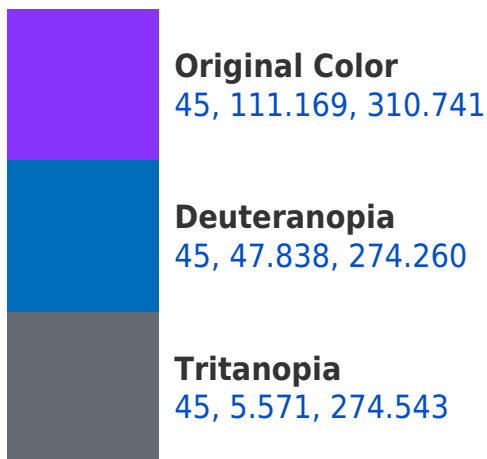
This preview shows how white text looks on a background with the CIELCh color 45, 111.169, 310.741.

310.741.

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
45, 111.169, 310.741



Deuteranomaly
42, 73.094, 294.005

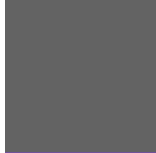


Tritanomaly
43, 47.785, 307.080

Monochromacy



Original Color
45, 111.169, 310.741



Achromatopsia
42, 0.006, 296.813



Achromatomaly
41, 44.752, 308.781

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 111.169, 310.741 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(136, 51, 251)` looks like.

```
.text, #text, p{  
    color:rgb(136, 51, 251)  
}
```

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(136, 51, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 51, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 111.169, 310.741 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(136, 51, 251) }
```

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

```
.border{ border-color:rgb(136, 51, 251) }
```

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

Here you see how a box with a 4 pixel rgb(136, 51, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 51, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 51, 251);  
box-shadow:4px 4px 4px 4px rgb(136, 51,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 111.169, 310.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 51, 251) }
```

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

```
.background{ background-color: rgb(136, 51,  
251) }
```

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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