

Converting Colors

CIELCh(45, 110.950, 316.767)

Have a look what the booklet for
CIELCh(45, 110.950, 316.767)
contains.

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Color

CIELCh(45, 111.144, 316.788)

Conversions

Conversions Part 1

Format	Color
Hex	A513ED
RGB	165, 19, 237
RGB Percent	65%, 7%, 93%
CMY	0.3541, 0.9241, 0.0717
CMYK	0.30, 0.92, 0.00, 0.07
HSL	280°, 86%, 50%
HSV	280°, 92%, 93%
XYZ	30.9357, 14.5417, 81.0713
YIQ	87.5060, 17.0380, 98.7500

Conversions

Conversions Part 2

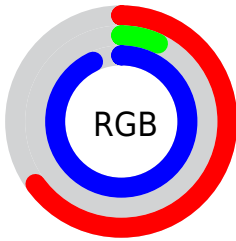
Format	Color
R_{YB}	165, 19, 237
Decimal	10818541
CIE _{Lab}	45.00, 81.00, -76.10
CIE _{LCh}	45, 111.144, 316.788
Yxy	14.5417, 0.2445, 0.1149
Android (android.graphics.Color)	4289008621 (0xFFA513ED)
YUV	87.5060, 73.7005, 67.9622
Hunter-Lab	38.1336, 78.0734, -99.3559

Details

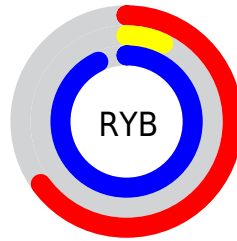
The CIELCh color **45, 111.144, 316.788** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **83, 105.470, 132.072**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 92.972, 321.944**, and **30, 94.359, 313.979** is the 20% darker color. If you saturate the color by 10%, you get **43, 113.977, 316.237**, and if you desaturate by 10%, it is **48, 105.149, 317.202**.

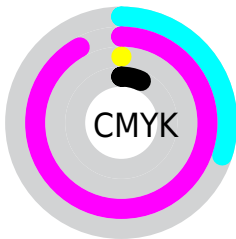
Distribution



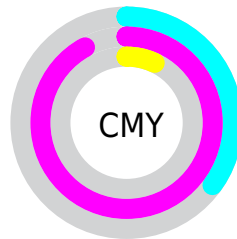
- Red (65%)
- Green (7%)
- Blue (93%)



- Red (65%)
- Yellow (7%)
- Blue (93%)



- Cyan (30%)
- Magenta (92%)
- Yellow (0%)
- Black (7%)





- Cyan (35%)
- Magenta (92%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 111.144, 316.788 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, 111.144, 316.788 by changing the saturation by 10% instead.


 45, 111.144,
316.788


 45, 111.144,
316.788


 100, 111.144,
316.788

 35, 111.144,
316.788


 65, 111.144,
316.788


 25, 111.144,
316.788


 75, 111.144,
316.788


 15, 111.144,
316.788

 85, 111.144,
316.788

 5, 111.144,
316.788

 95, 111.144,
316.788

 0, 111.144,
316.788

 45, 111.144,

 45, 111.144,

316.788

316.788

■ 43, 113.977,
316.237

■ 48, 105.149,
317.202

■ 52, 96.179,
317.313

■ 56, 84.897,
317.193

■ 62, 72.074,
316.914

■ 67, 58.375,
316.538

■ 73, 44.291,
316.111

■ 80, 30.154,
315.665

■ 86, 16.173,
315.220

Harmonies

Complementary

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



45, 111.144, 316.788



83, 105.470, 132.072

Rectangle

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



45, 111.144, 316.788



45, 111.144, 6.788



45, 111.144, 136.788



45, 111.144, 186.788

Sweetspot

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



45, 111.143, 316.788



81, 41.302, 315.946



44, 85.722, 294.299



40, 28.587, 316.138



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, 111.143, 316.788



47, 120.615, 316.196



55, 95.074, 335.629



46, 7.695, 315.115



33, 93.139, 316.409



6, 38.404, 317.305

Inverse Universe

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



51, 79.182, 14.769



54, 86.970, 19.464



82, 104.759, 138.782



46, 5.377, 354.668



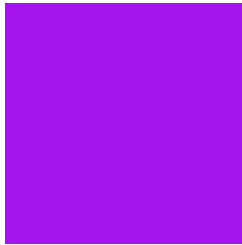
38, 66.859, 18.144



7, 27.810, 7.482

Previews

White Background



This preview shows how the CIELCh color 45, 111.144, 316.788 looks on a white background.

Color Contrast Check

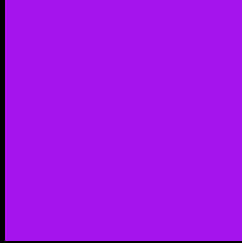
Large Text (above 18pt) WCAG AA ✓ Pass

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, 111.144, 316.788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

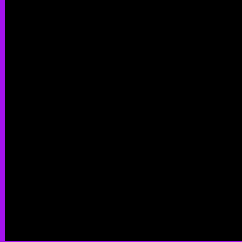
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 111.144, 316.788

Background



This preview shows how black text looks on a background with the CIELCh color 45, 111.144, 316.788.



This preview shows how white text looks on a background with the CIELCh color 45, 111.144, 316.788.

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, 111.303, 316.809

Protanopia

46, 67.902, 286.754

Deuteranopia

45, 48.856, 274.846



Tritanopia
45, 20.596, 10.817

Trichromacy



Original Color
45, 111.303, 316.809

Protanomaly
40, 90.576, 300.169

Deuteranomaly
39, 77.739, 298.037

Tritanomaly
42, 55.329, 327.207

Monochromacy



Original Color
45, 111.303, 316.809

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 50.969, 317.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 111.144, 316.788 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(165, 19, 237)` looks like.

```
.text, #text, p{  
    color:rgb(165, 19, 237)  
}
```

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(165, 19, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 19, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 111.144, 316.788 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(165, 19, 237) }
```

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

```
.border{ border-color:rgb(165, 19, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 19, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 19, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 19, 237);  
box-shadow:4px 4px 4px 4px rgb(165, 19,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 111.144, 316.788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 19, 237) }
```

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

```
.background{ background-color: rgb(165, 19,  
237) }
```

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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