

Converting Colors

CIELCh(45, 108.345, 314.270)

Have a look what the booklet for
CIELCh(45, 108.345, 314.270)
contains.

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Color

CIELCh(45, 108.291, 314.296)

Conversions

Conversions Part 1

Format	Color
Hex	9928EF
RGB	153, 40, 239
RGB Percent	60%, 16%, 94%
CMY	0.3996, 0.8427, 0.0624
CMYK	0.36, 0.83, 0.00, 0.06
HSL	274°, 86%, 55%
HSV	274°, 83%, 94%
XYZ	29.5071, 14.5417, 82.9753
YIQ	96.4730, 3.4690, 85.8450

Conversions

Conversions Part 2

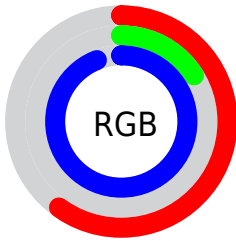
Format	Color
R _Y B	153, 40, 239
Decimal	10037487
CIE _{Lab}	45.00, 75.63, -77.51
CIE _{LCh}	45, 108.291, 314.296
Y _{xy}	14.5417, 0.2323, 0.1145
Android (android.graphics.Color)	4288227567 (0xFF9928EF)
YUV	96.4730, 70.2658, 49.5742
Hunter-Lab	38.1336, 71.3863, -102.3162

Details

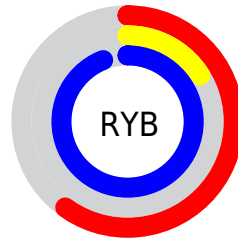
The CIELCh color **45, 108.291, 314.296** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **85, 98.480, 128.867**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 88.094, 319.107**, and **29, 96.741, 312.035** is the 20% darker color. If you saturate the color by 10%, you get **42, 114.625, 313.851**, and if you desaturate by 10%, it is **49, 98.843, 314.381**.

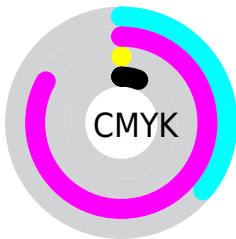
Distribution



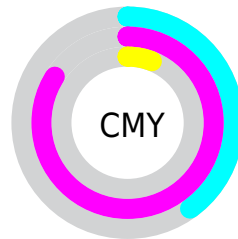
- Red (60%)
- Green (16%)
- Blue (94%)



- Red (60%)
- Yellow (16%)
- Blue (94%)



- Cyan (36%)
- Magenta (83%)
- Yellow (0%)
- Black (6%)



- Cyan (40%)
- Magenta (84%)
- Yellow (6%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 108.291, 314.296 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, 108.291, 314.296 by changing the saturation by 10% instead.


 45, 108.291,
314.296


 45, 108.291,
314.296


 100, 108.291,
314.296


 35, 108.291,
314.296


 65, 108.291,
314.296


 25, 108.291,
314.296


 75, 108.291,
314.296


 15, 108.291,
314.296


 85, 108.291,
314.296

 5, 108.291,
314.296

 95, 108.291,
314.296

 0, 108.291,
314.296

 45, 108.291,

 45, 108.291,

314.296

■ 42, 114.625,
313.851

■ 40, 117.298,
313.369

314.296

■ 49, 98.843,
314.381

■ 54, 87.094,
314.201

■ 60, 73.913,
313.853

■ 66, 60.000,
313.411

■ 72, 45.837,
312.928

■ 79, 31.728,
312.441

■ 86, 17.851,
311.968

■ 92, 4.304, 311.500

Harmonies

Complementary

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



45, 108.291, 314.296



85, 98.480, 128.867

Rectangle

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



45, 108.291, 314.296



45, 108.291, 4.296



45, 108.291, 134.296



45, 108.291, 184.296

Sweetspot

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



45, 108.291, 314.296



82, 36.055, 312.531



54, 65.576, 283.649



41, 24.688, 312.702



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, 108.291, 314.296



43, 123.204, 313.330



57, 100.287, 330.561



47, 7.647, 311.796



30, 96.084, 313.555



5, 39.868, 314.243

Inverse Universe

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



53, 76.172, 1.995



54, 84.560, 9.638



83, 105.310, 137.893



47, 5.805, 348.273



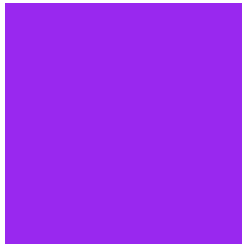
39, 66.005, 8.519



8, 28.964, 0.935

Previews

White Background



This preview shows how the CIELCh color 45, 108.291, 314.296 looks on a white background.

Color Contrast Check

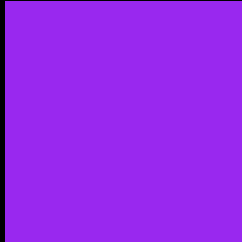
Large Text (above 18pt) WCAG AA ✓ Pass

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, 108.291, 314.296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

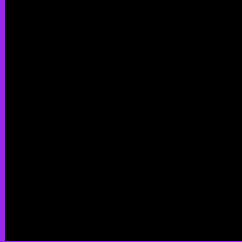
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 108.291, 314.296

Background



This preview shows how black text looks on a background with the CIELCh color 45, 108.291, 314.296.



This preview shows how white text looks on a background with the CIELCh color 45, 108.291, 314.296.

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, 108.291, 314.296

Protanopia

45, 67.970, 286.957

Deuteranopia

45, 48.869, 275.114



Tritanopia
45, 12.483, 1.698

Trichromacy



Original Color
45, 108.291, 314.296



Protanomaly
41, 86.335, 298.270



Deuteranomaly
41, 73.873, 295.660



Tritanomaly
43, 49.110, 319.721

Monochromacy



Original Color
45, 108.291, 314.296



Achromatopsia
41, 0.006, 296.813



Achromatomaly
40, 46.297, 313.409

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 108.291, 314.296 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(153, 40, 239)` looks like.

```
.text, #text, p{  
    color:rgb(153, 40, 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(153, 40, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 40, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 108.291, 314.296 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(153, 40, 239) }
```

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

```
.border{ border-color:rgb(153, 40, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 40, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 40, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 40, 239);  
box-shadow:4px 4px 4px 4px rgb(153, 40,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 108.291, 314.296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 40, 239) }
```

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

```
.background{ background-color: rgb(153, 40,  
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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