

Converting Colors

CIELCh(45, 93.419, 316.531)

Have a look what the booklet for
CIELCh(45, 93.419, 316.531)
contains.

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Color

CIELCh(45, 93.305, 316.461)

Conversions

Conversions Part 1

Format	Color
Hex	9D34D8
RGB	157, 52, 216
RGB Percent	62%, 20%, 85%
CMY	0.3849, 0.7968, 0.1536
CMYK	0.27, 0.76, 0.00, 0.15
HSL	278°, 68%, 52%
HSV	278°, 76%, 85%
XYZ	27.4671, 14.5417, 66.2155
YIQ	102.0910, 9.9360, 73.2640

Conversions

Conversions Part 2

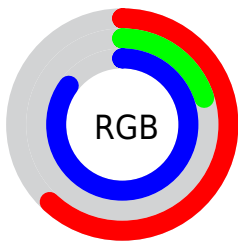
Format	Color
R_{YB}	157, 52, 216
Decimal	10302680
CIE _{Lab}	45.00, 67.64, -64.27
CIE _{LCh}	45, 93.305, 316.461
Yxy	14.5417, 0.2538, 0.1344
Android (android.graphics.Color)	4288492760 (0xFF9D34D8)
YUV	102.0910, 56.1571, 48.1552
Hunter-Lab	38.1336, 61.8371, -76.2581

Details

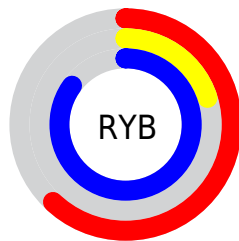
The CIELCh color **45, 93.305, 316.461** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **78, 87.544, 130.720**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 84.506, 319.069**, and **27, 85.799, 315.047** is the 20% darker color. If you saturate the color by 10%, you get **42, 100.862, 316.252**, and if you desaturate by 10%, it is **49, 83.381, 316.404**.

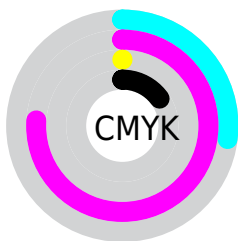
Distribution



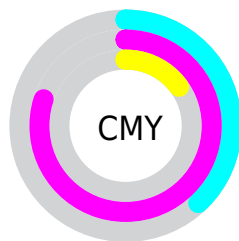
- Red (62%)
- Green (20%)
- Blue (85%)



- Red (62%)
- Yellow (20%)
- Blue (85%)



- Cyan (27%)
- Magenta (76%)
- Yellow (0%)
- Black (15%)





- Cyan (38%)
- Magenta (80%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 93.305, 316.461 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, 93.305, 316.461 by changing the saturation by 10% instead.


 45, 93.305,
316.461


 45, 93.305,
316.461


 100, 93.305,
316.461


 35, 93.305,
316.461

 65, 93.305,
316.461


 25, 93.305,
316.461

 75, 93.305,
316.461

 15, 93.305,
316.461

 85, 93.305,
316.461

 5, 93.305, 316.461

 95, 93.305,
316.461

 0, 93.305, 316.461

 45, 93.305,

 45, 93.305,

316.461

316.461

■ 42, 100.862,
316.252

■ 49, 83.381,
316.404

■ 39, 105.520,
315.708

■ 54, 71.826,
316.161

■ 38, 106.894,
315.441

■ 59, 59.304,
315.801

■ 65, 46.324,
315.379

■ 71, 33.232,
314.930

■ 77, 20.246,
314.481

■ 83, 7.498, 314.037

■ 89, 4.941, 133.691

■ 95, 17.036,
133.294

Harmonies

Complementary

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



45, 93.305, 316.461



78, 87.544, 130.720

Rectangle

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



45, 93.305, 316.461



45, 93.305, 6.461



45, 93.305, 136.461



45, 93.305, 186.461

Sweetspot

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



45, 93.304, 316.461



84, 33.589, 314.805



49, 61.272, 286.002



42, 23.322, 314.970



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, 93.304, 316.461



48, 117.904, 315.976



53, 84.797, 332.914



42, 7.090, 314.190



30, 89.697, 315.609



4, 30.116, 314.262

Inverse Universe

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



50, 66.238, 5.206



55, 83.091, 11.942



76, 88.522, 140.408



42, 5.067, 352.778



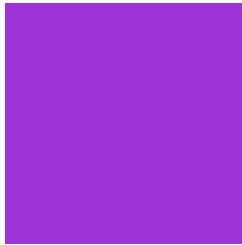
36, 63.367, 15.201



5, 22.513, 3.020

Previews

White Background



This preview shows how the CIELCh color 45, 93.305, 316.461 looks on a white background.

Color Contrast Check

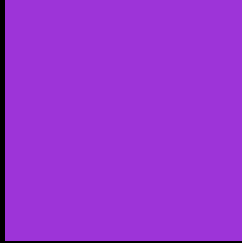
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.305, 316.461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

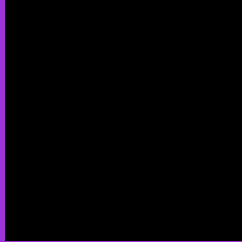
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 93.305, 316.461

Background



This preview shows how black text looks on a background with the CIELCh color 45, 93.305, 316.461.



This preview shows how white text looks on a background with the CIELCh color 45, 93.305, 316.461.

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, 93.305, 316.461

Protanopia

45, 68.519, 287.165

Deuteranopia

45, 50.428, 276.330



Tritanopia
45, 18.849, 9.437

Trichromacy



Original Color
45, 93.305, 316.461



Protanomaly
42, 79.409, 296.705



Deuteranomaly
41, 67.332, 293.656



Tritanomaly
44, 44.329, 327.657

Monochromacy



Original Color
45, 93.305, 316.461



Achromatopsia
43, 0.006, 296.813



Achromatomaly
42, 38.049, 315.674

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 93.305, 316.461 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(157, 52, 216)` looks like.

```
.text, #text, p{  
    color:rgb(157, 52, 216)  
}
```

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(157, 52, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 52, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 93.305, 316.461 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(157, 52, 216) }
```

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

```
.border{ border-color:rgb(157, 52, 216) }
```

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

Here you see how a box with a 4 pixel rgb(157, 52, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 52, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 52, 216);  
box-shadow:4px 4px 4px 4px rgb(157, 52,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 93.305, 316.461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 52, 216) }
```

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

```
.background{ background-color: rgb(157, 52,  
216) }
```

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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