

Converting Colors

CIELCh(45, 98.631, 321.036)

Have a look what the booklet for
CIELCh(45, 98.631, 321.036)
contains.

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Color

CIELCh(45, 98.666, 321.022)

Conversions

Conversions Part 1

Format	Color
Hex	AE1AD4
RGB	174, 26, 212
RGB Percent	68%, 10%, 83%
CMY	0.3168, 0.8966, 0.1678
CMYK	0.18, 0.88, 0.00, 0.17
HSL	288°, 78%, 47%
HSV	288°, 88%, 83%
XYZ	29.7891, 14.5417, 63.6584
YIQ	91.4560, 28.5020, 89.2220

Conversions

Conversions Part 2

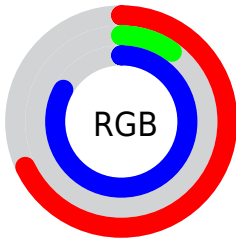
Format	Color
RYB	174, 26, 212
Decimal	11410132
CIELab	45.00, 76.70, -62.06
CIELCh	45, 98.666, 321.022
Yxy	14.5417, 0.2759, 0.1347
Android (android.graphics.Color)	4289600212 (0xFFAE1AD4)
YUV	91.4560, 59.4282, 72.3911
Hunter-Lab	38.1336, 72.7063, -72.2823

Details

The CIELCh color **45, 98.666, 321.022** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **75, 97.729, 134.277**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 92.376, 323.430**, and **30, 82.270, 318.886** is the 20% darker color. If you saturate the color by 10%, you get **43, 101.992, 320.599**, and if you desaturate by 10%, it is **47, 92.670, 321.213**.

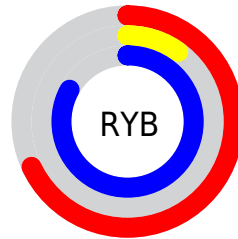
Distribution



Red (68%)

Green (10%)

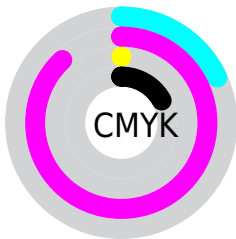
Blue (83%)



Red (68%)

Yellow (10%)

Blue (83%)

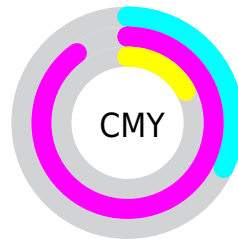


Cyan (18%)

Magenta (88%)

Yellow (0%)

Black (17%)



Cyan (32%)


Magenta (90%)

Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 98.666, 321.022 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, 98.666, 321.022 by changing the saturation by 10% instead.


 45, 98.666,
321.022


 45, 98.666,
321.022


 100, 98.666,
321.022


 35, 98.666,
321.022

 65, 98.666,
321.022


 25, 98.666,
321.022

 75, 98.666,
321.022

 15, 98.666,
321.022

 85, 98.666,
321.022

 5, 98.666, 321.022

 95, 98.666,
321.022

 0, 98.666, 321.022

 45, 98.666,

 45, 98.666,

321.022

■ 43, 101.992,
320.599

■ 43, 102.622,
320.483

321.022

■ 47, 92.670,
321.213

■ 51, 84.160,
321.194

■ 55, 73.667,
321.009

■ 59, 61.801,
320.704

■ 64, 49.110,
320.322

■ 70, 36.021,
319.895

■ 75, 22.837,
319.446

■ 81, 9.759, 318.988

Harmonies

Complementary

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



45, 98.666, 321.022



75, 97.729, 134.277

Rectangle

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



45, 98.666, 321.022



45, 98.666, 11.022



45, 98.666, 141.022



45, 98.666, 191.022

Sweetspot

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



45, 98.665, 321.022



83, 39.413, 319.837



36, 88.342, 298.671



42, 26.744, 319.991



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, 98.665, 321.022



52, 117.917, 320.407



49, 79.956, 341.752



42, 7.385, 319.074



34, 87.279, 320.590



5, 31.478, 320.534

Inverse Universe

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



46, 74.142, 23.165



54, 93.626, 30.290



75, 86.879, 142.787



42, 4.710, 3.729



36, 68.437, 28.769



5, 22.062, 10.672

Previews

White Background



This preview shows how the CIELCh color 45, 98.666, 321.022 looks on a white background.

Color Contrast Check

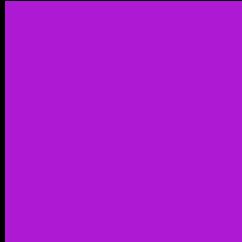
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.666, 321.022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

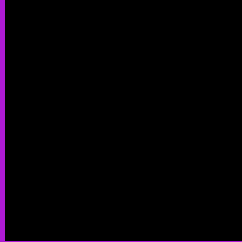
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 98.666, 321.022

Background



This preview shows how black text looks on a background with the CIELCh color 45, 98.666, 321.022.



This preview shows how white text looks on a background with the CIELCh color 45, 98.666, 321.022.

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, 98.666, 321.022

Protanopia

46, 68.449, 286.963

Deuteranopia

45, 51.474, 277.100



Tritanopia
45, 31.433, 17.773

Trichromacy



Original Color
45, 98.666, 321.022



Protanomaly
40, 84.343, 299.334



Deuteranomaly
39, 73.043, 297.362



Tritanomaly
43, 53.248, 337.827

Monochromacy



Original Color
45, 98.666, 321.022



Achromatopsia
39, 0.006, 296.813



Achromatomaly
38, 45.150, 320.686

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 98.666, 321.022 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(174, 26, 212)` looks like.

```
.text, #text, p{  
    color:rgb(174, 26, 212)  
}
```

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(174, 26, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 26, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 98.666, 321.022 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(174, 26, 212) }
```

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

```
.border{ border-color:rgb(174, 26, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 26, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 26, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 26, 212);  
box-shadow:4px 4px 4px 4px rgb(174, 26,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 98.666, 321.022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 26, 212) }
```

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

```
.background{ background-color: rgb(174, 26,  
212) }
```

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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