

Converting Colors

CIELCh(45, 104.845, 321.288)

Have a look what the booklet for
CIELCh(45, 104.845, 321.288)
contains.

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Color

CIELCh(45, 104.339, 321.382)

Conversions

Conversions Part 1

Format	Color
Hex	B300DA
RGB	179, 0, 218
RGB Percent	70%, 0%, 85%
CMY	0.2997, 1.0000, 0.1467
CMYK	0.18, 1.00, 0.00, 0.15
HSL	289°, 100%, 43%
HSV	289°, 100%, 85%
XYZ	31.0757, 14.5417, 67.2141
YIQ	78.3730, 36.7060, 105.7460

Conversions

Conversions Part 2

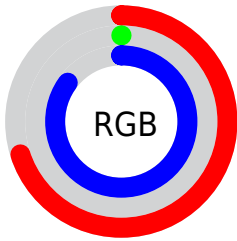
Format	Color
RYB	179, 0, 218
Decimal	11731162
CIELab	45.00, 81.52, -65.12
CIELCh	45, 104.339, 321.382
Yxy	14.5417, 0.2754, 0.1289
Android (android.graphics.Color)	4289921242 (0xFFB300DA)
YUV	78.3730, 68.8361, 88.2499
Hunter-Lab	38.1336, 78.7288, -77.8108

Details

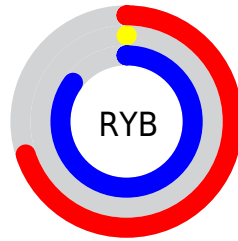
The CIELCh color **45, 104.339, 321.382** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **76, 104.769, 134.977**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 95.297, 324.581**, and **31, 84.636, 318.767** is the 20% darker color. If you saturate the color by 10%, you get **45, 104.195, 321.368**, and if you desaturate by 10%, it is **46, 101.399, 321.781**.

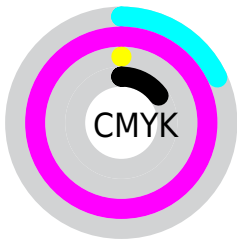
Distribution



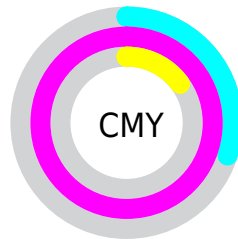
- Red (70%)
- Green (0%)
- Blue (85%)



- Red (70%)
- Yellow (0%)
- Blue (85%)



- Cyan (18%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)





- Cyan (30%)
- Magenta (100%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 104.339, 321.382 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, 104.339, 321.382 by changing the saturation by 10% instead.


 45, 104.339,
321.382


 45, 104.339,
321.382


 100, 104.339,
321.382


 35, 104.339,
321.382


 65, 104.339,
321.382


 25, 104.339,
321.382


 75, 104.339,
321.382


 15, 104.339,
321.382


 85, 104.339,
321.382

 5, 104.339,
321.382

 95, 104.339,
321.382

 0, 104.339,
321.382

 45, 104.339,

 45, 104.339,

321.382

321.382

■ 45, 104.195,
321.368

■ 46, 101.399,
321.781

■ 49, 96.147,
321.999

■ 52, 88.225,
322.010

■ 55, 78.090,
321.852

■ 60, 66.346,
321.568

■ 65, 53.577,
321.197

■ 70, 40.260,
320.773

■ 75, 26.747,
320.322

■ 81, 13.279,
319.858

Harmonies

Complementary

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



45, 104.339, 321.382



76, 104.769, 134.977

Rectangle

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



45, 104.339, 321.382



45, 104.339, 11.382



45, 104.339, 141.382



45, 104.339, 191.382

Sweetspot

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



45, 104.195, 321.368



81, 45.792, 320.785



31, 106.574, 303.221



40, 31.238, 320.970



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, 104.195, 321.368



53, 117.483, 321.310



48, 80.873, 346.392



43, 7.583, 319.832



36, 87.931, 321.467



5, 33.681, 321.865

Inverse Universe

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



46, 84.065, 31.581



53, 95.235, 32.088



76, 93.455, 141.433



43, 4.762, 5.645



36, 70.377, 30.694



5, 23.731, 12.517

Previews

White Background



This preview shows how the CIELCh color 45, 104.339, 321.382 looks on a white background.

Color Contrast Check

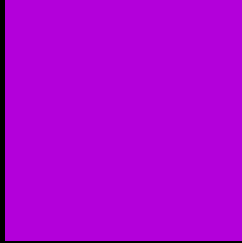
Large Text (above 18pt) WCAG AA ✓ Pass

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, 104.339, 321.382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

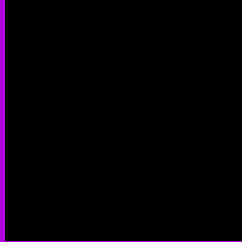
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 104.339, 321.382

Background



This preview shows how black text looks on a background with the CIELCh color 45, 104.339, 321.382.



This preview shows how white text looks on a background with the CIELCh color 45, 104.339, 321.382.

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, 104.339, 321.382

Protanopia

46, 68.926, 286.968

Deuteranopia

46, 50.909, 276.200

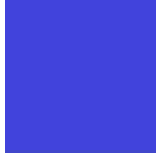


Tritanopia
45, 33.678, 18.594

Trichromacy



Original Color
45, 104.339, 321.382



Protanomaly
38, 91.395, 301.589



Deuteranomaly
38, 79.777, 299.961



Tritanomaly
42, 59.104, 338.165

Monochromacy



Original Color
45, 104.339, 321.382



Achromatopsia
33, 0.005, 296.813



Achromatomaly
33, 52.201, 321.889

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 104.339, 321.382 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(179, 0, 218)` looks like.

```
.text, #text, p{  
    color:rgb(179, 0, 218)  
}
```

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(179, 0, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 0, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 104.339, 321.382 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(179, 0, 218) }
```

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

```
.border{ border-color:rgb(179, 0, 218) }
```

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

Here you see how a box with a 4 pixel rgb(179, 0, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 0, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 0, 218);  
box-shadow:4px 4px 4px 4px rgb(179, 0,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 104.339, 321.382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 0, 218) }
```

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

```
.background{ background-color: rgb(179, 0,  
218) }
```

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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