

Converting Colors

CIELCh(45, 99.019, 321.821)

Have a look what the booklet for
CIELCh(45, 99.019, 321.821)
contains.

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Color

CIELCh(45, 99.036, 321.798)

Conversions

Conversions Part 1

Format	Color
Hex	B115D3
RGB	177, 21, 211
RGB Percent	69%, 8%, 83%
CMY	0.3066, 0.9191, 0.1733
CMYK	0.16, 0.90, 0.00, 0.17
HSL	289°, 82%, 45%
HSV	289°, 90%, 83%
XYZ	30.0859, 14.5417, 62.7314
YIQ	89.3040, 31.9860, 92.1620

Conversions

Conversions Part 2

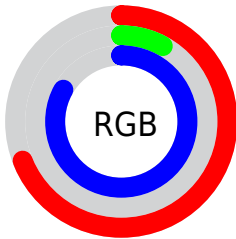
Format	Color
R_{YB}	177, 21, 211
Decimal	11605459
CIE Lab	45.00, 77.83, -61.25
CIE LCh	45, 99.036, 321.798
Yxy	14.5417, 0.2802, 0.1354
Android (android.graphics.Color)	4289795539 (0xFFB115D3)
YUV	89.3040, 59.9961, 76.9094
Hunter-Lab	38.1336, 74.0956, -70.8411

Details

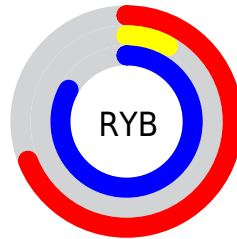
The CIELCh color **45, 99.036, 321.798** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **74, 98.989, 134.705**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 92.979, 324.051**, and **30, 81.562, 319.695** is the 20% darker color. If you saturate the color by 10%, you get **44, 101.741, 321.400**, and if you desaturate by 10%, it is **47, 93.934, 322.016**.

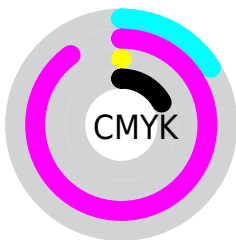
Distribution



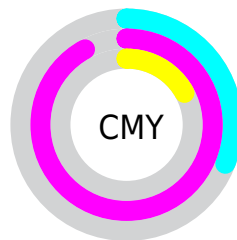
- Red (69%)
- Green (8%)
- Blue (83%)



- Red (69%)
- Yellow (8%)
- Blue (83%)



- Cyan (16%)
- Magenta (90%)
- Yellow (0%)
- Black (17%)




- Cyan (31%)
- Magenta (92%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 99.036, 321.798 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, 99.036, 321.798 by changing the saturation by 10% instead.

 45, 99.036,
321.798


 45, 99.036,
321.798


 100, 99.036,
321.798


 35, 99.036,
321.798

 65, 99.036,
321.798


 25, 99.036,
321.798

 75, 99.036,
321.798

 15, 99.036,
321.798

 85, 99.036,
321.798

 5, 99.036, 321.798

 95, 99.036,
321.798

 0, 99.036, 321.798

 45, 99.036,

 45, 99.036,

321.798

321.798

■ 44, 101.741,
321.400

■ 47, 93.934,
322.016

■ 50, 86.233,
322.028

■ 54, 76.375,
321.871

■ 58, 64.944,
321.589

■ 63, 52.509,
321.219

■ 68, 39.534,
320.797

■ 73, 26.363,
320.346

■ 79, 13.231,
319.884

Harmonies

Complementary

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



45, 99.036, 321.798



74, 98.989, 134.705

Rectangle

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



45, 99.036, 321.798



45, 99.036, 11.798



45, 99.036, 141.798



45, 99.036, 191.798

Sweetspot

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



45, 99.035, 321.798



83, 41.197, 320.667



33, 94.496, 300.771



42, 27.775, 320.820



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, 99.035, 321.798



53, 117.474, 321.330



48, 78.389, 344.358



41, 7.292, 319.845



35, 86.000, 321.500



4, 29.527, 321.016

Inverse Universe

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



45, 76.364, 26.514



53, 95.269, 32.125



74, 85.882, 143.389



41, 4.577, 5.681



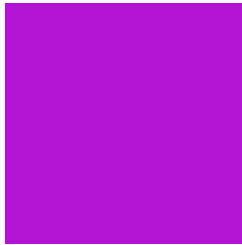
35, 68.781, 30.600



4, 20.170, 11.178

Previews

White Background



This preview shows how the CIELCh color 45, 99.036, 321.798 looks on a white background.

Color Contrast Check

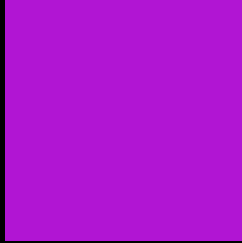
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.036, 321.798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

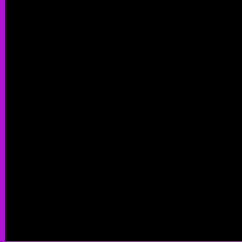
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 99.036, 321.798

Background



This preview shows how black text looks on a background with the CIELCh color 45, 99.036, 321.798.



This preview shows how white text looks on a background with the CIELCh color 45, 99.036, 321.798.

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, 99.036, 321.798

Protanopia

46, 68.449, 286.963

Deuteranopia

46, 50.929, 276.459



Tritanopia
45, 33.737, 18.648

Trichromacy



Original Color
45, 99.036, 321.798

Protanomaly
39, 85.022, 299.840

Deuteranomaly
39, 73.753, 297.995

Tritanomaly
43, 54.627, 339.660

Monochromacy



Original Color
45, 99.036, 321.798

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 46.123, 321.733

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 99.036, 321.798 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(177, 21, 211)` looks like.

```
.text, #text, p{  
    color:rgb(177, 21, 211)  
}
```

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(177, 21, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 21, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 99.036, 321.798 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(177, 21, 211) }
```

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

```
.border{ border-color:rgb(177, 21, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 21, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 21, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 21, 211);  
box-shadow:4px 4px 4px 4px rgb(177, 21,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 99.036, 321.798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 21, 211) }
```

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

```
.background{ background-color: rgb(177, 21,  
211) }
```

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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