

Converting Colors

CIELCh(45, 95.376, 324.873)

Have a look what the booklet for
CIELCh(45, 95.376, 324.873)
contains.

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Color

CIELCh(45, 95.402, 324.813)

Conversions

Conversions Part 1

Format	Color
Hex	B70DC8
RGB	183, 13, 200
RGB Percent	72%, 5%, 78%
CMY	0.2821, 0.9482, 0.2154
CMYK	0.08, 0.93, 0.00, 0.22
HSL	295°, 88%, 42%
HSV	295°, 93%, 78%
XYZ	30.1240, 14.5417, 55.9024
YIQ	85.1480, 41.2930, 94.1970

Conversions

Conversions Part 2

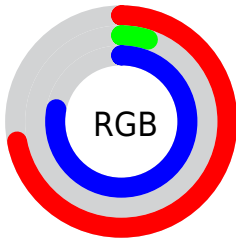
Format	Color
RYB	183, 13, 200
Decimal	11996616
CIELab	45.00, 77.97, -54.98
CIELCh	45, 95.402, 324.813
Yxy	14.5417, 0.2995, 0.1446
Android (android.graphics.Color)	4290186696 (0xFFB70DC8)
YUV	85.1480, 56.6220, 85.8162
Hunter-Lab	38.1336, 74.2739, -60.2234

Details

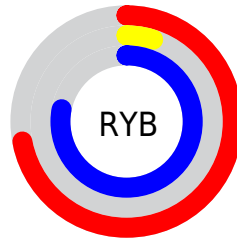
The CIELCh color **45, 95.402, 324.813** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as dark washed purple. A complement of this color would be **71, 97.482, 135.694**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 94.173, 325.275**, and **30, 76.683, 323.036** is the 20% darker color. If you saturate the color by 10%, you get **44, 96.838, 324.680**, and if you desaturate by 10%, it is **46, 91.684, 324.921**.

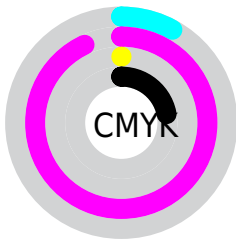
Distribution



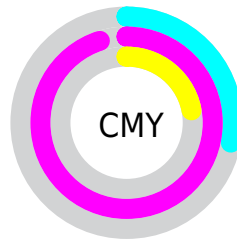
- Red (72%)
- Green (5%)
- Blue (78%)



- Red (72%)
- Yellow (5%)
- Blue (78%)



- Cyan (8%)
- Magenta (93%)
- Yellow (0%)
- Black (22%)





- Cyan (28%)
- Magenta (95%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 95.402, 324.813 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, 95.402, 324.813 by changing the saturation by 10% instead.


 45, 95.402,
324.813


 45, 95.402,
324.813


 100, 95.402,
324.813


 35, 95.402,
324.813

 65, 95.402,
324.813


 25, 95.402,
324.813

 75, 95.402,
324.813

 15, 95.402,
324.813

 85, 95.402,
324.813

 5, 95.402, 324.813

 95, 95.402,
324.813

 0, 95.402, 324.813

 45, 95.402,

 45, 95.402,

324.813

324.813

■ 44, 96.838,
324.680

■ 46, 91.684,
324.921

■ 49, 85.469,
324.876

■ 52, 76.982,
324.693

■ 55, 66.683,
324.397

■ 59, 55.102,
324.017

■ 64, 42.730,
323.578

■ 69, 29.960,
323.103

■ 74, 17.084,
322.609

Harmonies

Complementary

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



45, 95.402, 324.813



71, 97.482, 135.694

Rectangle

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



45, 95.402, 324.813



45, 95.402, 14.813



45, 95.402, 144.813



45, 95.402, 194.813

Sweetspot

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



45, 95.400, 324.813



83, 43.675, 323.344



28, 101.696, 303.983



41, 30.124, 323.549



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, 95.400, 324.813



56, 116.266, 324.630



44, 72.320, 351.171



39, 7.179, 322.406



36, 83.240, 324.730



4, 25.705, 323.288

Inverse Universe

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



42, 79.339, 33.937



53, 100.700, 37.120



71, 78.574, 145.916



39, 4.302, 12.579



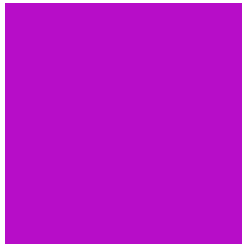
34, 71.043, 35.877



3, 15.956, 14.698

Previews

White Background



This preview shows how the CIELCh color 45, 95.402, 324.813 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, 95.402, 324.813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

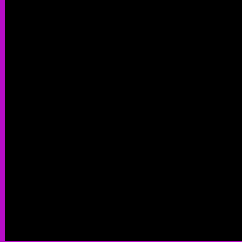
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 95.402, 324.813

Background



This preview shows how black text looks on a background with the CIELCh color 45, 95.402, 324.813.



This preview shows how white text looks on a background with the CIELCh color 45, 95.402, 324.813.

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, 95.402, 324.813

Protanopia

46, 68.996, 287.168

Deuteranopia

46, 48.113, 278.413



Tritanopia
45, 40.148, 20.847

Trichromacy



Original Color
45, 95.402, 324.813



Protanomaly
39, 85.176, 300.672



Deuteranomaly
40, 71.176, 303.230



Tritanomaly
43, 56.857, 345.362

Monochromacy



Original Color
45, 95.402, 324.813



Achromatopsia
36, 0.005, 296.813



Achromatomaly
35, 46.337, 324.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 95.402, 324.813 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(183, 13, 200)` looks like.

```
.text, #text, p{  
    color:rgb(183, 13, 200)  
}
```

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(183, 13, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 13, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 95.402, 324.813 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(183, 13, 200) }
```

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

```
.border{ border-color:rgb(183, 13, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 13, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 13, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 13, 200);  
box-shadow:4px 4px 4px 4px rgb(183, 13,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 95.402, 324.813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 13, 200) }
```

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

```
.background{ background-color: rgb(183, 13,  
200) }
```

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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