

Converting Colors

CIELCh(45, 77.073, 346.363)

Have a look what the booklet for
CIELCh(45, 77.073, 346.363)
contains.

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Color

CIELCh(45, 76.903, 346.179)

Conversions

Conversions Part 1

Format	Color
Hex	CB008B
RGB	203, 0, 139
RGB Percent	80%, 0%, 55%
CMY	0.2042, 1.0000, 0.4552
CMYK	0.00, 1.00, 0.32, 0.20
HSL	319°, 100%, 40%
HSV	319°, 100%, 80%
XYZ	29.2593, 14.5417, 25.6645
YIQ	76.5430, 76.3690, 86.2650

Conversions

Conversions Part 2

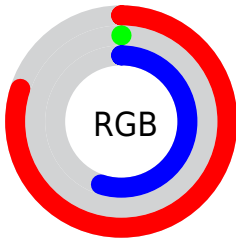
Format	Color
R_{YB}	203, 0, 139
Decimal	13303947
CIE _{Lab}	45.00, 74.68, -18.37
CIE _{LCh}	45, 76.903, 346.179
Yxy	14.5417, 0.4212, 0.2093
Android (android.graphics.Color)	4291494027 (0xFFCB008B)
YUV	76.5430, 30.7913, 110.9028
Hunter-Lab	38.1336, 70.2266, -13.2095

Details

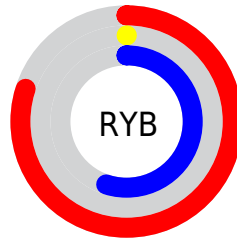
The CIELCh color **45, 76.903, 346.179** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **72, 88.583, 141.485**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 75.307, 343.838**, and **31, 57.628, 350.363** is the 20% darker color. If you saturate the color by 10%, you get **45, 76.877, 346.184**, and if you desaturate by 10%, it is **46, 76.174, 344.187**.

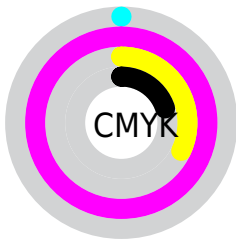
Distribution



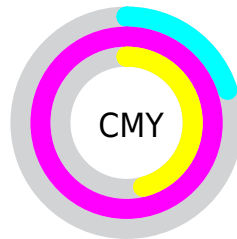
- Red (80%)
- Green (0%)
- Blue (55%)



- Red (80%)
- Yellow (0%)
- Blue (55%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 76.903, 346.179 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, 76.903, 346.179 by changing the saturation by 10% instead.


 45, 76.903,
346.179


 45, 76.903,
346.179


 100, 76.903,
346.179


 35, 76.903,
346.179

 65, 76.903,
346.179


 25, 76.903,
346.179

 75, 76.903,
346.179

 15, 76.903,
346.179

 85, 76.903,
346.179

 5, 76.903, 346.179

 95, 76.903,
346.179

 0, 76.903, 346.179

 45, 76.903,

 45, 76.903,

346.179

346.179

■ 45, 76.877,
346.184

■ 46, 76.174,
344.187

■ 48, 73.439,
342.510

■ 50, 68.329,
341.120

■ 53, 61.144,
339.937

■ 57, 52.373,
338.901

■ 61, 42.533,
337.970

■ 66, 32.078,
337.117

■ 71, 21.355,
336.324

■ 76, 10.612,
335.572

Harmonies

Complementary

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



45, 76.903, 346.179



72, 88.583, 141.485

Rectangle

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



45, 76.903, 346.179



45, 76.903, 36.179



45, 76.903, 166.179



45, 76.903, 216.179

Sweetspot

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



45, 76.877, 346.184



81, 38.610, 337.150



28, 109.406, 308.269



41, 26.301, 337.507



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, 76.877, 346.184



56, 91.082, 346.508



43, 78.498, 29.832



40, 6.043, 335.527



37, 66.330, 345.840



4, 22.462, 341.690

Inverse Universe

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



45, 76.877, 346.184



56, 91.082, 346.508



73, 52.425, 170.717



40, 6.043, 335.527



37, 66.330, 345.840



4, 22.462, 341.690

Previews

White Background



This preview shows how the CIELCh color 45, 76.903, 346.179 looks on a white background.

Color Contrast Check

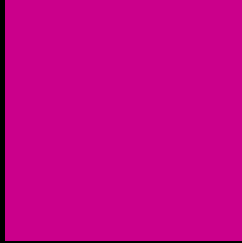
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.903, 346.179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

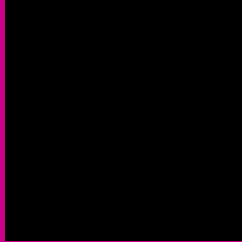
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 76.903, 346.179

Background



This preview shows how black text looks on a background with the CIELCh color 45, 76.903, 346.179.



This preview shows how white text looks on a background with the CIELCh color 45, 76.903, 346.179.

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, 76.903, 346.179

Protanopia

46, 54.735, 286.603

Deuteranopia

46, 14.366, 296.642



Tritanopia
45, 64.594, 30.151

Trichromacy



Original Color
45, 76.903, 346.179



Protanomaly
39, 67.101, 310.078



Deuteranomaly
40, 47.095, 331.372



Tritanomaly
44, 65.456, 11.116

Monochromacy



Original Color
45, 76.903, 346.179



Achromatopsia
33, 0.005, 296.813



Achromatomaly
33, 41.163, 339.466

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 76.903, 346.179 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(203, 0, 139)` looks like.

```
.text, #text, p{  
    color:rgb(203, 0, 139)  
}
```

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(203, 0, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 0, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 76.903, 346.179 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(203, 0, 139) }
```

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

```
.border{ border-color:rgb(203, 0, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 0, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 0, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 0, 139);  
box-shadow:4px 4px 4px 4px rgb(203, 0,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 76.903, 346.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 0, 139) }
```

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

```
.background{ background-color: rgb(203, 0,  
139) }
```

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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