

Converting Colors

CIELCh(45, 75.667, 348.802)

Have a look what the booklet for
CIELCh(45, 75.667, 348.802)
contains.

CIELCh(45, 75.716, 348.764)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 75.716, 348.764)

Conversions

Conversions Part 1

Format	Color
Hex	CC0085
RGB	204, 0, 133
RGB Percent	80%, 0%, 52%
CMY	0.1998, 0.9993, 0.4783
CMYK	0.00, 1.00, 0.35, 0.20
HSL	321°, 100%, 40%
HSV	321°, 100%, 80%
XYZ	29.1524, 14.5417, 23.4751
YIQ	76.1580, 78.8910, 84.6110

Conversions

Conversions Part 2

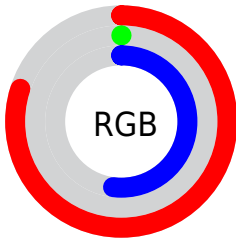
Format	Color
RYB	204, 0, 133
Decimal	13369477
CIELab	45.00, 74.26, -14.75
CIELCh	45, 75.716, 348.764
Yxy	14.5417, 0.4340, 0.2165
Android (android.graphics.Color)	4291559557 (0xFFCC0085)
YUV	76.1580, 28.0231, 112.1174
Hunter-Lab	38.1336, 69.7262, -9.8055

Details

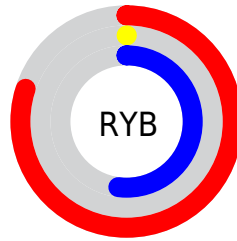
The CIELCh color **45, 75.716, 348.764** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **72, 86.727, 142.589**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 73.546, 346.347**, and **31, 56.728, 354.229** is the 20% darker color. If you saturate the color by 10%, you get **45, 75.717, 348.787**, and if you desaturate by 10%, it is **46, 75.006, 346.451**.

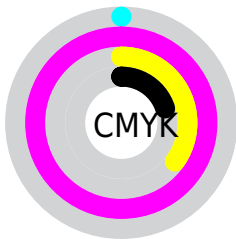
Distribution



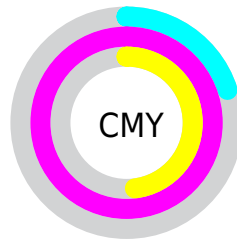
- Red (80%)
- Green (0%)
- Blue (52%)



- Red (80%)
- Yellow (0%)
- Blue (52%)



- Cyan (0%)
- Magenta (100%)
- Yellow (35%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 75.716, 348.764 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, 75.716, 348.764 by changing the saturation by 10% instead.


 45, 75.716,
348.764


 45, 75.716,
348.764


 100, 75.716,
348.764


 35, 75.716,
348.764

 65, 75.716,
348.764


 25, 75.716,
348.764

 75, 75.716,
348.764

 15, 75.716,
348.764

 85, 75.716,
348.764

 5, 75.716, 348.764

 95, 75.716,
348.764

 0, 75.716, 348.764

 45, 75.716,

 45, 75.716,

348.764

348.764

■ 45, 75.717,
348.787

■ 46, 75.006,
346.451

■ 48, 72.284,
344.530

■ 50, 67.215,
342.958

■ 53, 60.098,
341.642

■ 57, 51.425,
340.508

■ 62, 41.714,
339.506

■ 66, 31.413,
338.599

■ 71, 20.867,
337.765

■ 77, 10.315,
336.981

Harmonies

Complementary

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



45, 75.716, 348.764



72, 86.727, 142.589

Rectangle

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



45, 75.716, 348.764



45, 75.716, 38.764



45, 75.716, 168.764



45, 75.716, 218.764

Sweetspot

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



45, 75.713, 348.765



81, 37.759, 338.641



28, 109.172, 308.722



41, 25.729, 339.020



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, 75.713, 348.765



56, 89.345, 349.155



43, 80.560, 32.179



40, 5.902, 336.942



36, 65.064, 348.376



4, 21.903, 343.779

Inverse Universe

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



45, 75.713, 348.765



56, 89.345, 349.155



74, 50.446, 174.252



40, 5.902, 336.942



36, 65.064, 348.376



4, 21.903, 343.779

Previews

White Background



This preview shows how the CIELCh color 45, 75.716, 348.764 looks on a white background.

Color Contrast Check

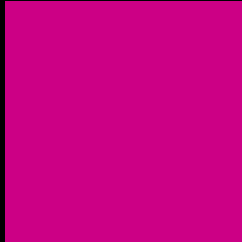
Large Text (above 18pt) WCAG AA ✓ Pass

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, 75.716, 348.764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

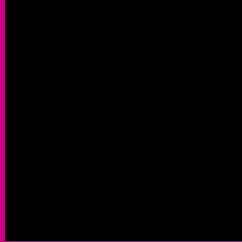
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 75.716, 348.764

Background



This preview shows how black text looks on a background with the CIELCh color 45, 75.716, 348.764.



This preview shows how white text looks on a background with the CIELCh color 45, 75.716, 348.764.

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, 75.716, 348.764

Protanopia

46, 50.027, 286.451

Deuteranopia

46, 11.009, 303.848



Tritanopia
46, 66.357, 30.636

Trichromacy



Original Color
45, 75.716, 348.764



Protanomaly
39, 62.268, 312.181



Deuteranomaly
41, 44.441, 335.378

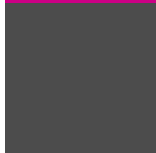


Tritanomaly
44, 66.546, 13.450

Monochromacy



Original Color
45, 75.716, 348.764



Achromatopsia
32, 0.005, 296.813



Achromatomaly
32, 40.695, 341.386

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 75.716, 348.764 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(204, 0, 133)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 133)  
}
```

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(204, 0, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 75.716, 348.764 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(204, 0, 133) }
```

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

```
.border{ border-color:rgb(204, 0, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 0, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 133);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 75.716, 348.764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 133) }
```

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

```
.background{ background-color: rgb(204, 0,  
133) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor