

Converting Colors

CIELCh(45, 75.041, 347.477)

Have a look what the booklet for
CIELCh(45, 75.041, 347.477)
contains.

CIELCh(45, 74.900, 347.643)	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, 74.900, 347.643)

Conversions

Conversions Part 1

Format	Color
Hex	CA0A87
RGB	202, 10, 135
RGB Percent	79%, 4%, 53%
CMY	0.2075, 0.9596, 0.4703
CMYK	0.00, 0.95, 0.33, 0.21
HSL	321°, 90%, 42%
HSV	321°, 95%, 79%
XYZ	28.8681, 14.5417, 24.2321
YIQ	81.6580, 74.3070, 79.5790

Conversions

Conversions Part 2

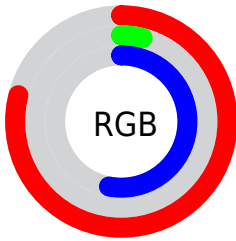
Format	Color
R_{YB}	202, 10, 135
Decimal	13240967
CIE _{Lab}	45.00, 73.16, -16.03
CIE _{LCh}	45, 74.900, 347.643
Yxy	14.5417, 0.4268, 0.2150
Android (android.graphics.Color)	4291431047 (0xFFCA0A87)
YUV	81.6580, 26.2976, 105.5399
Hunter-Lab	38.1336, 68.3951, -10.9824

Details

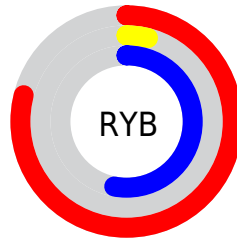
The CIELCh color **45, 74.900, 347.643** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **71, 83.460, 143.638**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 73.186, 345.786**, and **30, 56.696, 352.301** is the 20% darker color. If you saturate the color by 10%, you get **45, 75.134, 348.859**, and if you desaturate by 10%, it is **46, 73.349, 345.503**.

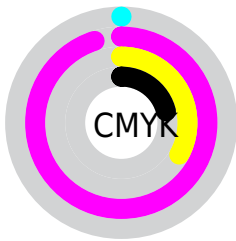
Distribution



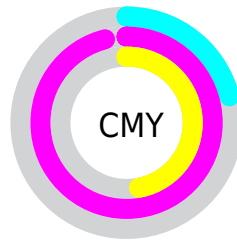
- Red (79%)
- Green (4%)
- Blue (53%)



- Red (79%)
- Yellow (4%)
- Blue (53%)



- Cyan (0%)
- Magenta (95%)
- Yellow (33%)
- Black (21%)




- Cyan (21%)
- Magenta (96%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 74.900, 347.643 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, 74.900, 347.643 by changing the saturation by 10% instead.


 45, 74.900,
347.643


 45, 74.900,
347.643


 100, 74.900,
347.643

 35, 74.900,
347.643

 65, 74.900,
347.643


 25, 74.900,
347.643

 75, 74.900,
347.643

 15, 74.900,
347.643

 85, 74.900,
347.643

 5, 74.900, 347.643

 95, 74.900,
347.643

 0, 74.900, 347.643

 45, 74.900,

 45, 74.900,

347.643

347.643

■ 45, 75.134,
348.859

■ 46, 73.349,
345.503

■ 48, 69.454,
343.765

■ 51, 63.348,
342.329

■ 55, 55.447,
341.109

■ 59, 46.267,
340.044

■ 63, 36.295,
339.092

■ 68, 25.924,
338.223

■ 73, 15.441,
337.417

Harmonies

Complementary

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



45, 74.900, 347.643



71, 83.460, 143.638

Rectangle

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



45, 74.900, 347.643



45, 74.900, 37.643



45, 74.900, 167.643



45, 74.900, 217.643

Sweetspot

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



45, 74.897, 347.644



82, 35.220, 338.517



29, 105.881, 308.838



41, 24.299, 338.899



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, 74.897, 347.644



56, 89.290, 349.246



43, 77.090, 29.711



40, 5.897, 336.991



36, 65.023, 348.464



4, 21.885, 343.851

Inverse Universe

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



45, 74.897, 347.644



56, 89.290, 349.246



73, 49.251, 175.083



40, 5.897, 336.991



36, 65.023, 348.464



4, 21.885, 343.851

Previews

White Background



This preview shows how the CIELCh color 45, 74.900, 347.643 looks on a white background.

Color Contrast Check

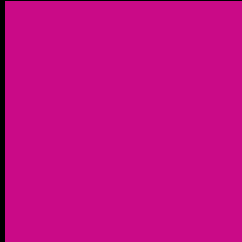
Large Text (above 18pt) WCAG AA ✓ Pass

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, 74.900, 347.643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

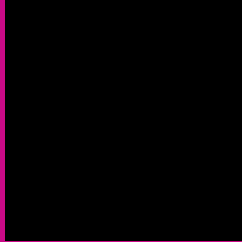
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 74.900, 347.643

Background



This preview shows how black text looks on a background with the CIELCh color 45, 74.900, 347.643.



This preview shows how white text looks on a background with the CIELCh color 45, 74.900, 347.643.

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, 74.900, 347.643

Protanopia

46, 51.870, 286.562

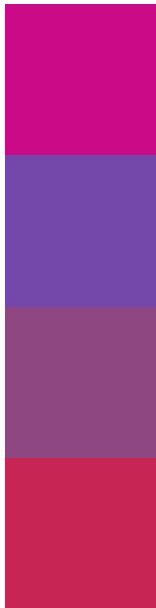
Deuteranopia

46, 12.710, 300.567



Tritanopia
45, 65.074, 30.331

Trichromacy



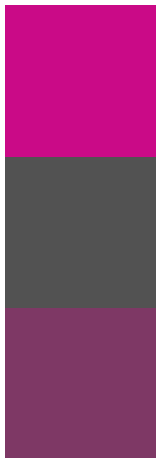
Original Color
45, 74.900, 347.643

Protanomaly
40, 61.438, 310.517

Deuteranomaly
41, 43.036, 333.562

Tritanomaly
44, 64.906, 12.606

Monochromacy



Original Color
45, 74.900, 347.643

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 38.113, 341.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 74.900, 347.643 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(202, 10, 135)` looks like.

```
.text, #text, p{  
    color:rgb(202, 10, 135)  
}
```

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(202, 10, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 10, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 74.900, 347.643 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(202, 10, 135) }
```

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

```
.border{ border-color:rgb(202, 10, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 10, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 10, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 10, 135);  
box-shadow:4px 4px 4px 4px rgb(202, 10,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 74.900, 347.643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 10, 135) }
```

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

```
.background{ background-color: rgb(202, 10,  
135) }
```

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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