

Converting Colors

CIELCh(45, 74.289, 353.615)

Have a look what the booklet for
CIELCh(45, 74.289, 353.615)
contains.

CIELCh(45, 74.217, 353.403)	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, 74.217, 353.403)

Conversions

Conversions Part 1

Format	Color
Hex	CE007B
RGB	206, 0, 123
RGB Percent	81%, 0%, 48%
CMY	0.1923, 1.0000, 0.5178
CMYK	0.00, 1.00, 0.40, 0.19
HSL	324°, 100%, 40%
HSV	324°, 100%, 81%
XYZ	29.0128, 14.5417, 20.0050
YIQ	75.6160, 83.2930, 81.9250

Conversions

Conversions Part 2

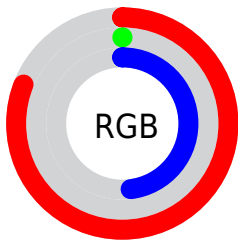
Format	Color
R_{YB}	206, 0, 123
Decimal	13500539
CIE _{Lab}	45.00, 73.73, -8.53
CIE _{LCh}	45, 74.217, 353.403
Yxy	14.5417, 0.4565, 0.2288
Android (android.graphics.Color)	4291690619 (0xFFCE007B)
YUV	75.6160, 23.3603, 114.3468
Hunter-Lab	38.1336, 69.0726, -4.4102

Details

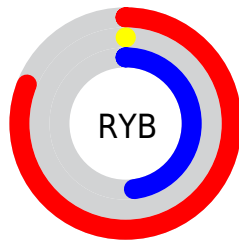
The CIELCh color **45, 74.217, 353.403** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **73, 83.512, 144.598**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 71.130, 350.587**, and **31, 56.094, 0.495** is the 20% darker color. If you saturate the color by 10%, you get **45, 74.204, 353.407**, and if you desaturate by 10%, it is **46, 73.415, 350.524**.

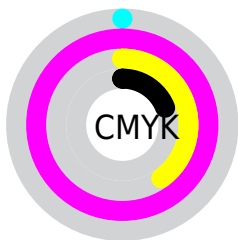
Distribution



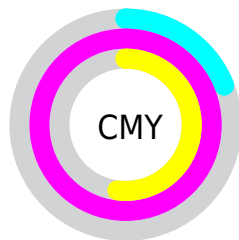
- Red (81%)
- Green (0%)
- Blue (48%)



- Red (81%)
- Yellow (0%)
- Blue (48%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (19%)




- Cyan (19%)
- Magenta (100%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 74.217, 353.403 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, 74.217, 353.403 by changing the saturation by 10% instead.


 45, 74.217,
353.403


 45, 74.217,
353.403


 100, 74.217,
353.403


 35, 74.217,
353.403


 65, 74.217,
353.403

 25, 74.217,
353.403

 75, 74.217,
353.403

 15, 74.217,
353.403

 85, 74.217,
353.403

 5, 74.217, 353.403

 95, 74.217,
353.403

 0, 74.217, 353.403

 45, 74.217,

 45, 74.217,

353.403

353.403

■ 45, 74.204,
353.407

■ 46, 73.415,
350.524

■ 48, 70.699,
348.154

■ 50, 65.695,
346.249

■ 54, 58.694,
344.690

■ 58, 50.183,
343.378

■ 62, 40.676,
342.244

■ 67, 30.619,
341.239

■ 72, 20.348,
340.332

■ 77, 10.094,
339.491

Harmonies

Complementary

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



45, 74.217, 353.403



73, 83.512, 144.598

Rectangle

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



45, 74.217, 353.403



45, 74.217, 43.403



45, 74.217, 173.403



45, 74.217, 223.403

Sweetspot

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



45, 74.204, 353.407



81, 36.415, 341.275



30, 108.582, 309.789



41, 24.827, 341.692



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, 74.204, 353.407



56, 86.982, 353.845



43, 84.749, 36.175



40, 5.678, 339.441



36, 63.310, 352.872



4, 21.076, 347.331

Inverse Universe

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



45, 74.204, 353.407



56, 86.982, 353.845



75, 46.899, 182.179



40, 5.678, 339.441



36, 63.310, 352.872



4, 21.076, 347.331

Previews

White Background



This preview shows how the CIELCh color 45, 74.217, 353.403 looks on a white background.

Color Contrast Check

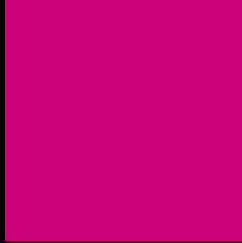
Large Text (above 18pt) WCAG AA ✓ Pass

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, 74.217, 353.403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

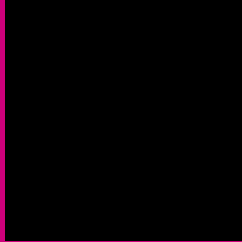
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 74.217, 353.403

Background



This preview shows how black text looks on a background with the CIELCh color 45, 74.217, 353.403.



This preview shows how white text looks on a background with the CIELCh color 45, 74.217, 353.403.

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





Tritanopia
46, 69.698, 31.953

Trichromacy



Original Color
45, 74.217, 353.403



Protanomaly
39, 56.815, 316.633



Deuteranomaly
41, 42.412, 343.144



Tritanomaly
45, 68.332, 16.435

Monochromacy



Original Color
45, 74.217, 353.403



Achromatopsia
32, 0.005, 296.813



Achromatomaly
32, 39.420, 344.305

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 74.217, 353.403 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(206, 0, 123)` looks like.

```
.text, #text, p{  
    color:rgb(206, 0, 123)  
}
```

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(206, 0, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 0, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 74.217, 353.403 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(206, 0, 123) }
```

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

```
.border{ border-color:rgb(206, 0, 123) }
```

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

Here you see how a box with a 4 pixel rgb(206, 0, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 0, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 0, 123);  
box-shadow:4px 4px 4px 4px rgb(206, 0,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 74.217, 353.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 0, 123) }
```

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

```
.background{ background-color: rgb(206, 0,  
123) }
```

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