

Converting Colors

CIELCh(45, 73.967, 356.822)

Have a look what the booklet for
CIELCh(45, 73.967, 356.822)
contains.

CIELCh(45, 73.640, 356.956)	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, 73.640, 356.956)

Conversions

Conversions Part 1

Format	Color
Hex	CF0074
RGB	207, 0, 116
RGB Percent	81%, 0%, 45%
CMY	0.1865, 1.0000, 0.5469
CMYK	0.00, 1.00, 0.44, 0.19
HSL	327°, 100%, 41%
HSV	327°, 100%, 81%
XYZ	28.9639, 14.5417, 17.6661
YIQ	75.1170, 86.1360, 79.9600

Conversions

Conversions Part 2

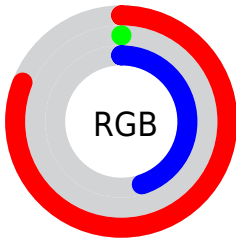
Format	Color
R_{YB}	207, 0, 116
Decimal	13566068
CIE _{Lab}	45.00, 73.54, -3.91
CIE _{LCh}	45, 73.640, 356.956
Yxy	14.5417, 0.4735, 0.2377
Android (android.graphics.Color)	4291756148 (0xFFCF0074)
YUV	75.1170, 20.1553, 115.6614
Hunter-Lab	38.1336, 68.8434, -0.7736

Details

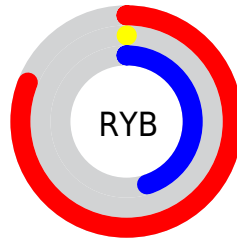
The CIELCh color **45, 73.640, 356.956** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **73, 80.967, 146.268**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 69.842, 353.464**, and **31, 55.768, 4.336** is the 20% darker color. If you saturate the color by 10%, you get **45, 73.479, 357.011**, and if you desaturate by 10%, it is **46, 72.530, 353.695**.

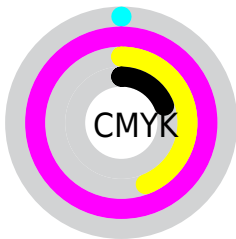
Distribution



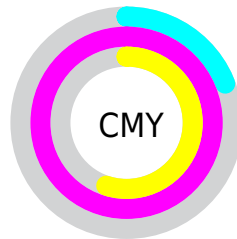
- Red (81%)
- Green (0%)
- Blue (45%)



- Red (81%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (44%)
- Black (19%)





- Cyan (19%)
- Magenta (100%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 73.640, 356.956 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, 73.640, 356.956 by changing the saturation by 10% instead.


 45, 73.640,
356.956


 45, 73.640,
356.956


 100, 73.640,
356.956


 35, 73.640,
356.956

 65, 73.640,
356.956


 25, 73.640,
356.956

 75, 73.640,
356.956

 15, 73.640,
356.956

 85, 73.640,
356.956

 5, 73.640, 356.956

 95, 73.640,
356.956

 0, 73.640, 356.956

 45, 73.640,

 45, 73.640,

356.956

356.956

■ 45, 73.479,
357.011

■ 46, 72.530,
353.695

■ 48, 69.734,
350.979

■ 50, 64.711,
348.816

■ 54, 57.741,
347.067

■ 58, 49.306,
345.617

■ 62, 39.918,
344.381

■ 67, 30.014,
343.302

■ 72, 19.924,
342.338

Harmonies

Complementary

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



45, 73.640, 356.956



73, 80.967, 146.268

Rectangle

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



45, 73.640, 356.956



45, 73.640, 46.956



45, 73.640, 176.956



45, 73.640, 226.956

Sweetspot

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



45, 73.479, 357.011



81, 35.488, 343.338



31, 108.427, 310.403



41, 24.206, 343.785



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, 73.479, 357.011



55, 85.707, 357.498



43, 86.786, 37.674



41, 5.636, 341.402



36, 63.025, 356.424



5, 22.456, 350.192

Inverse Universe

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



45, 73.479, 357.011



55, 85.707, 357.498



75, 45.483, 186.615



41, 5.636, 341.402



36, 63.025, 356.424



5, 22.456, 350.192

Previews

White Background



This preview shows how the CIELCh color 45, 73.640, 356.956 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, 73.640, 356.956 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, 73.640, 356.956

Background



This preview shows how black text looks on a background with the CIELCh color 45, 73.640, 356.956.



This preview shows how white text looks on a background with the CIELCh color 45, 73.640, 356.956.

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, 73.443, 356.697

Protanopia

46, 35.233, 285.386

Deuteranopia

46, 6.378, 9.479



Tritanopia
46, 71.874, 32.596

Trichromacy



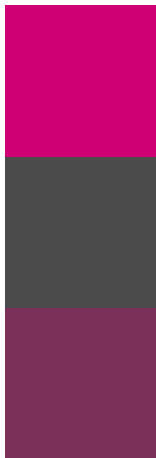
Original Color
45, 73.443, 356.697

Protanomaly
40, 51.972, 320.621

Deuteranomaly
41, 41.263, 349.372

Tritanomaly
45, 69.982, 18.947

Monochromacy



Original Color
45, 73.443, 356.697

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 38.545, 346.643

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 73.640, 356.956 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(207, 0, 116)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 116)  
}
```

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(207, 0, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 73.640, 356.956 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(207, 0, 116) }
```

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

```
.border{ border-color:rgb(207, 0, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 0, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 116);  
box-shadow:4px 4px 4px 4px rgb(207, 0,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 73.640, 356.956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 116) }
```

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

```
.background{ background-color: rgb(207, 0,  
116) }
```

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