

Converting Colors

CIELCh(45, 70.642, 356.594)

Have a look what the booklet for
CIELCh(45, 70.642, 356.594)
contains.

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Color

CIELCh(45, 70.742, 356.638)

Conversions

Conversions Part 1

Format	Color
Hex	CC1474
RGB	204, 20, 116
RGB Percent	80%, 8%, 45%
CMY	0.2010, 0.9235, 0.5459
CMYK	0.00, 0.90, 0.43, 0.20
HSL	329°, 83%, 44%
HSV	329°, 90%, 80%
XYZ	28.2174, 14.5417, 17.7820
YIQ	85.9600, 78.8480, 68.8640

Conversions

Conversions Part 2

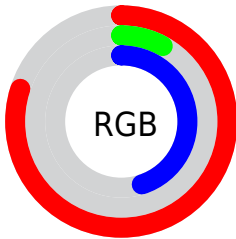
Format	Color
R_{YB}	204, 20, 116
Decimal	13374580
CIE _{Lab}	45.00, 70.62, -4.15
CIE _{LCh}	45, 70.742, 356.638
Yxy	14.5417, 0.4661, 0.2402
Android (android.graphics.Color)	4291564660 (0xFFCC1474)
YUV	85.9600, 14.8097, 103.5211
Hunter-Lab	38.1336, 65.3491, -0.9539

Details

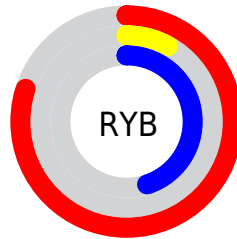
The CIELCh color **45, 70.742, 356.638** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **72, 72.685, 149.990**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 67.777, 354.170**, and **30, 55.244, 3.665** is the 20% darker color. If you saturate the color by 10%, you get **44, 71.831, 0.162**, and if you desaturate by 10%, it is **47, 67.940, 353.602**.

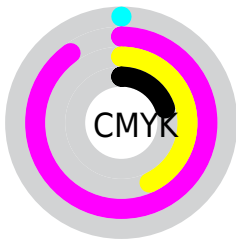
Distribution



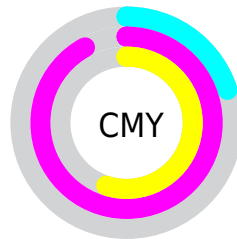
- Red (80%)
- Green (8%)
- Blue (45%)



- Red (80%)
- Yellow (8%)
- Blue (45%)



- Cyan (0%)
- Magenta (90%)
- Yellow (43%)
- Black (20%)




- Cyan (20%)
- Magenta (92%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 70.742, 356.638 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, 70.742, 356.638 by changing the saturation by 10% instead.


 45, 70.742,
356.638


 45, 70.742,
356.638


 100, 70.742,
356.638

 35, 70.742,
356.638

 65, 70.742,
356.638


 25, 70.742,
356.638

 75, 70.742,
356.638

 15, 70.742,
356.638

 85, 70.742,
356.638

 5, 70.742, 356.638

 95, 70.742,
356.638

 0, 70.742, 356.638

 45, 70.742,

 45, 70.742,

356.638

356.638

■ 44, 71.831, 0.162

■ 47, 67.940,
353.602

■ 49, 63.024,
351.197

■ 53, 56.241,
349.269

■ 57, 48.051,
347.688

■ 61, 38.950,
346.357

■ 66, 29.364,
345.207

■ 71, 19.613,
344.190

■ 76, 9.915, 343.266

Harmonies

Complementary

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



45, 70.742, 356.638



72, 72.685, 149.990

Rectangle

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



45, 70.742, 356.638



45, 70.742, 46.638



45, 70.742, 176.638



45, 70.742, 226.638

Sweetspot

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



45, 70.738, 356.639



83, 31.231, 344.882



34, 101.673, 311.574



42, 21.066, 345.248



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, 70.738, 356.639



55, 84.948, 0.754



43, 81.340, 35.933



40, 5.393, 343.173



36, 61.713, 359.508



4, 20.156, 352.108

Inverse Universe

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



45, 70.738, 356.639



55, 84.948, 0.754



74, 42.707, 191.814



40, 5.393, 343.173



36, 61.713, 359.508



4, 20.156, 352.108

Previews

White Background



This preview shows how the CIELCh color 45, 70.742, 356.638 looks on a white background.

Color Contrast Check

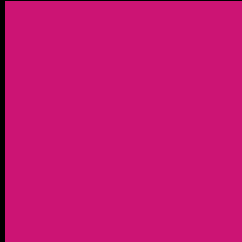
Large Text (above 18pt) WCAG AA ✓ Pass

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, 70.742, 356.638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

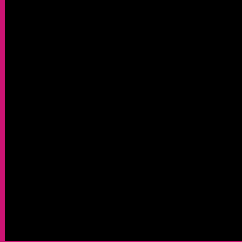
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 70.742, 356.638

Background



This preview shows how black text looks on a background with the CIELCh color 45, 70.742, 356.638.

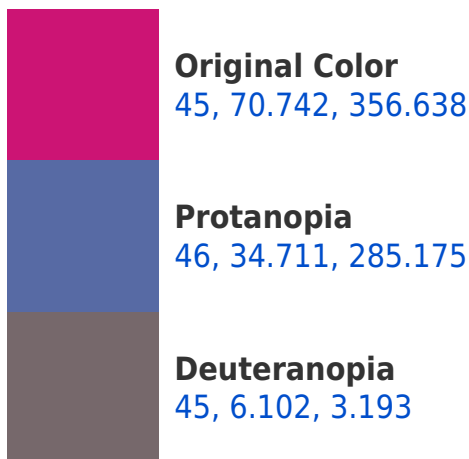


This preview shows how white text looks on a background with the CIELCh color 45, 70.742, 356.638.

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
45, 69.111, 31.614

Trichromacy



Original Color
45, 70.742, 356.638

Protanomaly
41, 46.348, 319.609

Deuteranomaly
42, 37.001, 349.794

Tritanomaly
45, 66.676, 18.613

Monochromacy



Original Color
45, 70.742, 356.638

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 34.098, 347.651

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 70.742, 356.638 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, 20, 116)` looks like.

```
.text, #text, p{  
    color:rgb(204, 20, 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(204, 20, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 20, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 70.742, 356.638 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, 20, 116) }
```

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

```
.border{ border-color:rgb(204, 20, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 20, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 20, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 20, 116);  
box-shadow:4px 4px 4px 4px rgb(204, 20,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 70.742, 356.638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 20, 116) }
```

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

```
.background{ background-color: rgb(204, 20,  
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](#).

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