

Converting Colors

CIELCh(45, 72.668, 351.535)

Have a look what the booklet for
CIELCh(45, 72.668, 351.535)
contains.

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Color

CIELCh(45, 72.598, 351.774)

Conversions

Conversions Part 1

Format	Color
Hex	CB107E
RGB	203, 16, 126
RGB Percent	80%, 6%, 49%
CMY	0.2044, 0.9385, 0.5063
CMYK	0.00, 0.92, 0.38, 0.20
HSL	325°, 86%, 43%
HSV	325°, 92%, 80%
XYZ	28.5309, 14.5417, 21.0033
YIQ	84.4530, 76.1420, 73.8540

Conversions

Conversions Part 2

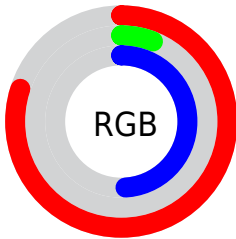
Format	Color
R_{YB}	203, 16, 126
Decimal	13308030
CIE _{Lab}	45.00, 71.85, -10.39
CIE _{LCh}	45, 72.598, 351.774
Yxy	14.5417, 0.4453, 0.2269
Android (android.graphics.Color)	4291498110 (0xFFCB107E)
YUV	84.4530, 20.4827, 103.9657
Hunter-Lab	38.1336, 66.8167, -5.9624

Details

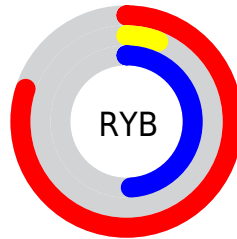
The CIELCh color **45, 72.598, 351.774** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **72, 78.060, 146.609**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 70.271, 349.443**, and **30, 55.706, 357.539** is the 20% darker color. If you saturate the color by 10%, you get **44, 73.125, 354.102**, and if you desaturate by 10%, it is **47, 70.395, 349.214**.

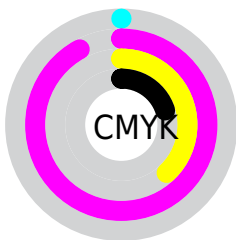
Distribution



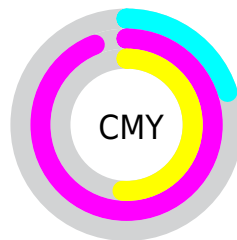
- Red (80%)
- Green (6%)
- Blue (49%)



- Red (80%)
- Yellow (6%)
- Blue (49%)



- Cyan (0%)
- Magenta (92%)
- Yellow (38%)
- Black (20%)





- Cyan (20%)
- Magenta (94%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 72.598, 351.774 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, 72.598, 351.774 by changing the saturation by 10% instead.


 45, 72.598,
351.774


 45, 72.598,
351.774


 100, 72.598,
351.774


 35, 72.598,
351.774

 65, 72.598,
351.774


 25, 72.598,
351.774

 75, 72.598,
351.774

 15, 72.598,
351.774

 85, 72.598,
351.774

 5, 72.598, 351.774

 95, 72.598,
351.774

 0, 72.598, 351.774

 45, 72.598,

 45, 72.598,

351.774

■ 44, 73.125,
354.102

351.774

■ 47, 70.395,
349.214

■ 49, 65.934,
347.164

■ 52, 59.429,
345.499

■ 56, 51.331,
344.111

■ 60, 42.153,
342.921

■ 65, 32.350,
341.876

■ 70, 22.278,
340.938

■ 75, 12.185,
340.077

Harmonies

Complementary

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



45, 72.598, 351.774



72, 78.060, 146.609

Rectangle

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



45, 72.598, 351.774



45, 72.598, 41.774



45, 72.598, 171.774



45, 72.598, 221.774

Sweetspot

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



45, 72.594, 351.775



82, 33.798, 341.500



32, 103.577, 310.103



41, 23.333, 341.924



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, 72.594, 351.775



56, 86.685, 354.590



43, 79.032, 32.920



40, 5.645, 339.838



36, 63.085, 353.586



4, 20.961, 347.870

Inverse Universe

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



45, 72.594, 351.775



56, 86.685, 354.590



74, 45.473, 183.088



40, 5.645, 339.838



36, 63.085, 353.586



4, 20.961, 347.870

Previews

White Background



This preview shows how the CIELCh color 45, 72.598, 351.774 looks on a white background.

Color Contrast Check

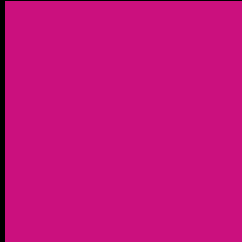
Large Text (above 18pt) WCAG AA ✓ Pass

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, 72.598, 351.774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

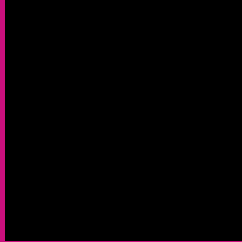
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 72.598, 351.774

Background



This preview shows how black text looks on a background with the CIELCh color 45, 72.598, 351.774.



This preview shows how white text looks on a background with the CIELCh color 45, 72.598, 351.774.

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, 72.598, 351.774

Protanopia
46, 43.591, 285.714

Deuteranopia
46, 8.047, 317.694



Tritanopia
45, 66.906, 30.941

Trichromacy



Original Color
45, 72.598, 351.774

Protanomaly
40, 54.496, 314.051

Deuteranomaly
42, 39.112, 340.781

Tritanomaly
45, 65.637, 15.395

Monochromacy



Original Color
45, 72.598, 351.774

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 35.924, 344.048

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 72.598, 351.774 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(203, 16, 126)` looks like.

```
.text, #text, p{  
    color:rgb(203, 16, 126)  
}
```

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(203, 16, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 16, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 72.598, 351.774 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(203, 16, 126) }
```

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

```
.border{ border-color:rgb(203, 16, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 16, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 16, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 16, 126);  
box-shadow:4px 4px 4px 4px rgb(203, 16,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 72.598, 351.774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 16, 126) }
```

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

```
.background{ background-color: rgb(203, 16,  
126) }
```

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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