

Converting Colors

CIELCh(45, 88.690, 330.846)

Have a look what the booklet for
CIELCh(45, 88.690, 330.846)
contains.

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Color

CIELCh(45, 88.673, 330.891)

Conversions

Conversions Part 1

Format	Color
Hex	C002B4
RGB	192, 2, 180
RGB Percent	75%, 1%, 71%
CMY	0.2471, 0.9922, 0.2942
CMYK	0.00, 0.99, 0.06, 0.25
HSL	304°, 98%, 38%
HSV	304°, 99%, 75%
XYZ	29.9925, 14.5417, 44.3993
YIQ	79.1020, 56.1020, 95.6380

Conversions

Conversions Part 2

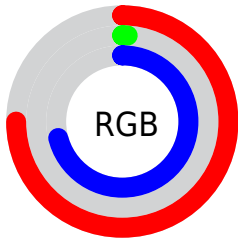
Format	Color
RYB	192, 2, 180
Decimal	12583604
CIELab	45.00, 77.47, -43.14
CIELCh	45, 88.673, 330.891
Yxy	14.5417, 0.3372, 0.1635
Android (android.graphics.Color)	4290773684 (0xFFC002B4)
YUV	79.1020, 49.7427, 99.0115
Hunter-Lab	38.1336, 73.6587, -42.3384

Details

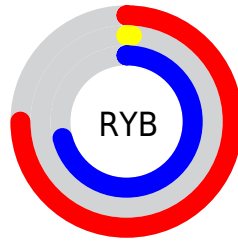
The CIELCh color **45, 88.673, 330.891** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **68, 95.348, 136.552**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 88.303, 330.939**, and **31, 68.464, 330.689** is the 20% darker color. If you saturate the color by 10%, you get **45, 88.827, 330.923**, and if you desaturate by 10%, it is **46, 86.805, 330.577**.

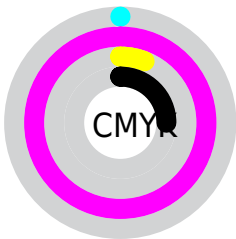
Distribution



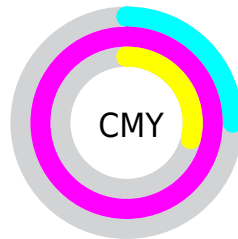
- Red (75%)
- Green (1%)
- Blue (71%)



- Red (75%)
- Yellow (1%)
- Blue (71%)



- Cyan (0%)
- Magenta (99%)
- Yellow (6%)
- Black (25%)





- Cyan (25%)
- Magenta (99%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 88.673, 330.891 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, 88.673, 330.891 by changing the saturation by 10% instead.


 45, 88.673,
330.891


 45, 88.673,
330.891


 100, 88.673,
330.891


 35, 88.673,
330.891

 65, 88.673,
330.891


 25, 88.673,
330.891

 75, 88.673,
330.891

 15, 88.673,
330.891

 85, 88.673,
330.891

 5, 88.673, 330.891

 95, 88.673,
330.891

 0, 88.673, 330.891

 45, 88.673,

 45, 88.673,

330.891

■ 45, 88.827,
330.923

330.891

■ 46, 86.805,
330.577

■ 47, 82.835,
330.228

■ 49, 76.531,
329.831

■ 52, 68.160,
329.383

■ 56, 58.166,
328.889

■ 59, 47.038,
328.360

■ 64, 35.221,
327.807

■ 68, 23.074,
327.239

■ 73, 10.863,
326.661

Harmonies

Complementary

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



45, 88.673, 330.891



68, 95.348, 136.552

Rectangle

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



45, 88.673, 330.891



45, 88.673, 20.891



45, 88.673, 150.891



45, 88.673, 200.891

Sweetspot

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



45, 88.670, 330.891



80, 45.156, 327.892



23, 107.330, 306.340



40, 30.722, 328.128



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45, 88.670, 330.891



58, 108.211, 330.969



41, 68.005, 6.499



38, 6.921, 326.685



37, 77.893, 330.885



4, 22.839, 328.531

Inverse Universe

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



45, 88.670, 330.891



58, 108.211, 330.969



69, 67.872, 151.956



38, 6.921, 326.685



37, 77.893, 330.885



4, 22.839, 328.531

Previews

White Background



This preview shows how the CIELCh color 45, 88.673, 330.891 looks on a white background.

Color Contrast Check

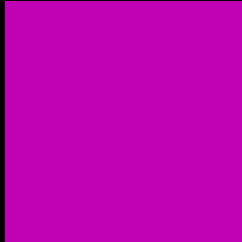
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.673, 330.891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

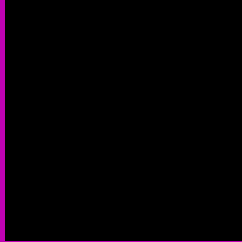
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 88.673, 330.891

Background



This preview shows how black text looks on a background with the CIELCh color 45, 88.673, 330.891.

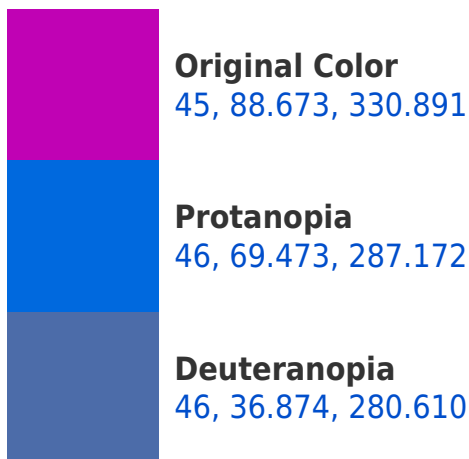


This preview shows how white text looks on a background with the CIELCh color 45, 88.673, 330.891.

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, 50.039, 25.101

Trichromacy



Original Color
45, 88.673, 330.891



Protanomaly
38, 83.689, 301.413



Deuteranomaly
40, 63.775, 311.216



Tritanomaly
44, 60.094, 355.404

Monochromacy



Original Color
45, 88.673, 330.891



Achromatopsia
34, 0.005, 296.813



Achromatomaly
33, 45.960, 329.035

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 88.673, 330.891 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(192, 2, 180)` looks like.

```
.text, #text, p{  
    color:rgb(192, 2, 180)  
}
```

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(192, 2, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 2, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 88.673, 330.891 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(192, 2, 180) }
```

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

```
.border{ border-color:rgb(192, 2, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 2, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 2, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 2, 180);  
box-shadow:4px 4px 4px 4px rgb(192, 2,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 88.673, 330.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 2, 180) }
```

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

```
.background{ background-color: rgb(192, 2,  
180) }
```

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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