

Converting Colors

CIELCh(45, 89.651, 330.234)

Have a look what the booklet for
CIELCh(45, 89.651, 330.234)
contains.

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Color

CIELCh(45, 89.510, 330.202)

Conversions

Conversions Part 1

Format	Color
Hex	BF02B6
RGB	191, 2, 182
RGB Percent	75%, 1%, 71%
CMY	0.2499, 0.9924, 0.2853
CMYK	0.00, 0.99, 0.05, 0.25
HSL	303°, 98%, 38%
HSV	303°, 99%, 75%
XYZ	30.0460, 14.5417, 45.6177
YIQ	79.0310, 54.8640, 96.0480

Conversions

Conversions Part 2

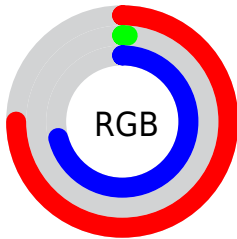
Format	Color
RYB	191, 2, 182
Decimal	12518070
CIELab	45.00, 77.68, -44.48
CIElCh	45, 89.510, 330.202
Yxy	14.5417, 0.3331, 0.1612
Android (android.graphics.Color)	4290708150 (0xFFBF02B6)
YUV	79.0310, 50.7637, 98.1968
Hunter-Lab	38.1336, 73.9088, -44.2328

Details

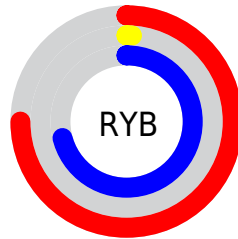
The CIELCh color **45, 89.510, 330.202** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **68, 95.394, 136.420**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 89.756, 330.065**, and **31, 69.257, 329.741** is the 20% darker color. If you saturate the color by 10%, you get **45, 89.672, 330.227**, and if you desaturate by 10%, it is **46, 87.548, 329.950**.

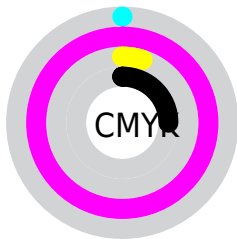
Distribution



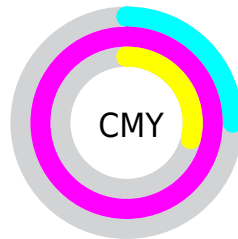
- Red (75%)
- Green (1%)
- Blue (71%)



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



- Cyan (0%)
- Magenta (99%)
- Yellow (5%)
- Black (25%)




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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 89.510, 330.202 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, 89.510, 330.202 by changing the saturation by 10% instead.


 45, 89.510,
330.202


 45, 89.510,
330.202


 100, 89.510,
330.202


 35, 89.510,
330.202

 65, 89.510,
330.202


 25, 89.510,
330.202

 75, 89.510,
330.202

 15, 89.510,
330.202

 85, 89.510,
330.202

 5, 89.510, 330.202

 95, 89.510,
330.202

 0, 89.510, 330.202

 45, 89.510,

 45, 89.510,

330.202

330.202

■ 45, 89.672,
330.227

■ 46, 87.548,
329.950

■ 47, 83.499,
329.651

■ 49, 77.123,
329.293

■ 52, 68.682,
328.874

■ 55, 58.615,
328.403

■ 59, 47.408,
327.889

■ 64, 35.506,
327.348

■ 68, 23.270,
326.788

■ 73, 10.967,
326.217

Harmonies

Complementary

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



45, 89.510, 330.202



68, 95.394, 136.420

Rectangle

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



45, 89.510, 330.202



45, 89.510, 20.202



45, 89.510, 150.202



45, 89.510, 200.202

Sweetspot

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



45, 89.508, 330.202



81, 45.632, 327.430



23, 107.120, 306.293



40, 31.044, 327.662



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, 89.508, 330.202



58, 109.562, 330.261



41, 67.857, 4.890



38, 6.995, 326.240



38, 78.838, 330.200



4, 23.173, 327.967

Inverse Universe

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



45, 89.508, 330.202



58, 109.562, 330.261



68, 68.921, 151.039



38, 6.995, 326.240



38, 78.838, 330.200



4, 23.173, 327.967

Previews

White Background



This preview shows how the CIELCh color 45, 89.510, 330.202 looks on a white background.

Color Contrast Check

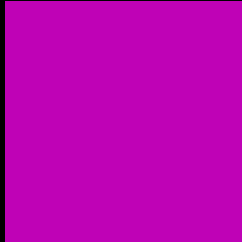
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.510, 330.202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

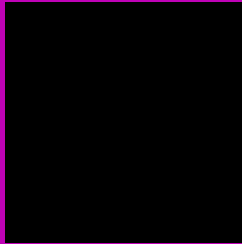
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 89.510, 330.202

Background



This preview shows how black text looks on a background with the CIELCh color 45, 89.510, 330.202.

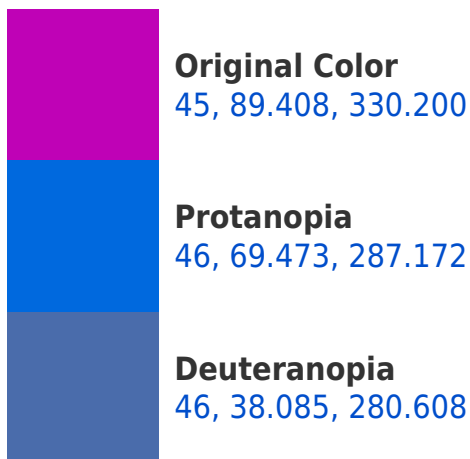


This preview shows how white text looks on a background with the CIELCh color 45, 89.510, 330.202.

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, 48.684, 24.748

Trichromacy



Original Color
45, 89.408, 330.200



Protanomaly
38, 84.229, 301.449



Deuteranomaly
40, 64.834, 310.714



Tritanomaly
43, 59.584, 353.870

Monochromacy



Original Color
45, 89.408, 330.200



Achromatopsia
34, 0.005, 296.813



Achromatomaly
33, 46.407, 328.572

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 89.510, 330.202 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(191, 2, 182)` looks like.

```
.text, #text, p{  
    color:rgb(191, 2, 182)  
}
```

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(191, 2, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 2, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 89.510, 330.202 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(191, 2, 182) }
```

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

```
.border{ border-color:rgb(191, 2, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 2, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 2, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 2, 182);  
box-shadow:4px 4px 4px 4px rgb(191, 2,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 89.510, 330.202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 2, 182) }
```

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

```
.background{ background-color: rgb(191, 2,  
182) }
```

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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