

Converting Colors

CIELCh(45, 89.975, 330.413)

Have a look what the booklet for
CIELCh(45, 89.975, 330.413)
contains.

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Color

CIELCh(45, 89.610, 330.424)

Conversions

Conversions Part 1

Format	Color
Hex	C000B6
RGB	192, 0, 182
RGB Percent	75%, 0%, 71%
CMY	0.2477, 1.0000, 0.2869
CMYK	0.00, 1.00, 0.05, 0.25
HSL	303°, 100%, 38%
HSV	303°, 100%, 75%
XYZ	30.1145, 14.5417, 45.3877
YIQ	78.1560, 56.0100, 97.3060

Conversions

Conversions Part 2

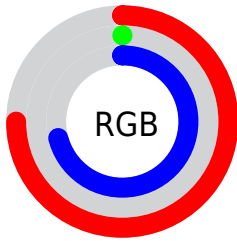
Format	Color
RYB	192, 0, 182
Decimal	12583094
CIELab	45.00, 77.93, -44.23
CIELCh	45, 89.610, 330.424
Yxy	14.5417, 0.3344, 0.1615
Android (android.graphics.Color)	4290773174 (0xFFC000B6)
YUV	78.1560, 51.1951, 99.8412
Hunter-Lab	38.1336, 74.2295, -43.8752

Details

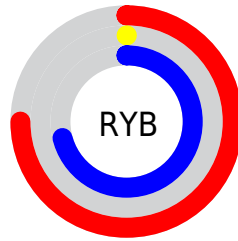
The CIELCh color **45, 89.610, 330.424** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **68, 95.751, 136.417**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 89.836, 330.273**, and **31, 69.251, 330.045** is the 20% darker color. If you saturate the color by 10%, you get **45, 89.550, 330.423**, and if you desaturate by 10%, it is **46, 87.736, 330.157**.

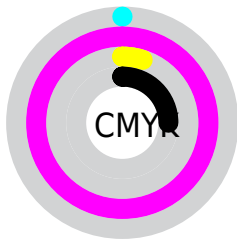
Distribution



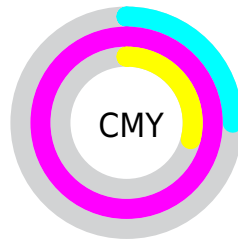
- Red (75%)
- Green (0%)
- Blue (71%)



- Red (75%)
- Yellow (0%)
- Blue (71%)



- Cyan (0%)
- Magenta (100%)
- Yellow (5%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 89.610, 330.424 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, 89.610, 330.424 by changing the saturation by 10% instead.

 45, 89.610,
330.424


 45, 89.610,
330.424


 100, 89.610,
330.424

 35, 89.610,
330.424

 65, 89.610,
330.424

 25, 89.610,
330.424

 75, 89.610,
330.424

 15, 89.610,
330.424

 85, 89.610,
330.424

 5, 89.610, 330.424

 95, 89.610,
330.424

 0, 89.610, 330.424

 45, 89.610,

 45, 89.610,

330.424

330.424

■ 45, 89.550,
330.423

■ 46, 87.736,
330.157

■ 47, 83.947,
329.849

■ 49, 77.814,
329.485

■ 52, 69.575,
329.064

■ 55, 59.658,
328.591

■ 59, 48.553,
328.077

■ 63, 36.711,
327.534

■ 68, 24.503,
326.974

■ 73, 12.205,
326.402

Harmonies

Complementary

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



45, 89.610, 330.424



68, 95.751, 136.417

Rectangle

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



45, 89.610, 330.424



45, 89.610, 20.424



45, 89.610, 150.424



45, 89.610, 200.424

Sweetspot

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



45, 89.550, 330.423



81, 45.496, 327.561



23, 107.774, 306.428



40, 30.952, 327.794



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, 89.550, 330.423



58, 109.175, 330.461



41, 68.152, 6.948



38, 6.974, 326.366



38, 78.567, 330.393



4, 23.077, 328.126

Inverse Universe

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



45, 89.550, 330.423



58, 109.175, 330.461



68, 68.239, 151.736



38, 6.974, 326.366



38, 78.567, 330.393



4, 23.077, 328.126

Previews

White Background



This preview shows how the CIELCh color 45, 89.610, 330.424 looks on a white background.

Color Contrast Check

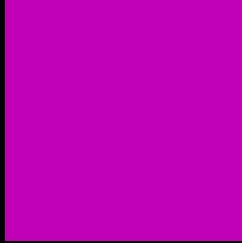
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.610, 330.424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

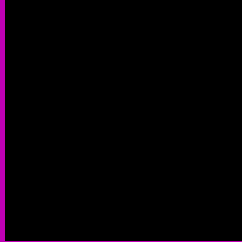
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 89.610, 330.424

Background



This preview shows how black text looks on a background with the CIELCh color 45, 89.610, 330.424.



This preview shows how white text looks on a background with the CIELCh color 45, 89.610, 330.424.

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, 89.610, 330.424

Protanopia

46, 69.473, 287.172

Deuteranopia

46, 37.479, 280.161



Tritanopia
45, 49.439, 24.366

Trichromacy



Original Color
45, 89.610, 330.424



Protanomaly
38, 84.299, 301.627



Deuteranomaly
40, 64.834, 310.714



Tritanomaly
43, 60.340, 354.441

Monochromacy



Original Color
45, 89.610, 330.424



Achromatopsia
33, 0.005, 296.813



Achromatomaly
33, 46.420, 328.591

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 89.610, 330.424 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, 0, 182)` looks like.

```
.text, #text, p{  
    color:rgb(192, 0, 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(192, 0, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 0, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 89.610, 330.424 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, 0, 182) }
```

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

```
.border{ border-color:rgb(192, 0, 182) }
```

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

Here you see how a box with a 4 pixel rgb(192, 0, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 0, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 0, 182);  
box-shadow:4px 4px 4px 4px rgb(192, 0,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 89.610, 330.424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 0, 182) }
```

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

```
.background{ background-color: rgb(192, 0,  
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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