

Converting Colors

CIELCh(45, 86.985, 331.998)

Have a look what the booklet for
CIELCh(45, 86.985, 331.998)
contains.

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Color

CIELCh(45, 86.932, 332.096)

Conversions

Conversions Part 1

Format	Color
Hex	C104B0
RGB	193, 4, 176
RGB Percent	76%, 2%, 69%
CMY	0.2438, 0.9824, 0.3104
CMYK	0.00, 0.98, 0.09, 0.24
HSL	305°, 95%, 39%
HSV	305°, 98%, 76%
XYZ	29.8214, 14.5417, 42.2320
YIQ	80.1190, 57.4320, 93.5600

Conversions

Conversions Part 2

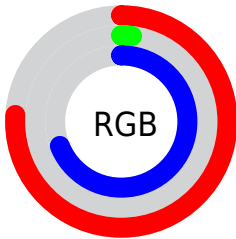
Format	Color
RYB	193, 4, 176
Decimal	12649648
CIELab	45.00, 76.82, -40.68
CIElCh	45, 86.932, 332.096
Yxy	14.5417, 0.3444, 0.1679
Android (android.graphics.Color)	4290839728 (0xFFC104B0)
YUV	80.1190, 47.2693, 98.9966
Hunter-Lab	38.1336, 72.8578, -38.9687

Details

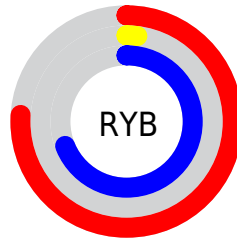
The CIELCh color **45, 86.932, 332.096** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **68, 94.620, 136.925**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 86.942, 332.078**, and **31, 67.311, 332.012** is the 20% darker color. If you saturate the color by 10%, you get **45, 87.243, 332.196**, and if you desaturate by 10%, it is **46, 85.040, 331.664**.

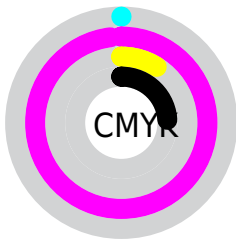
Distribution



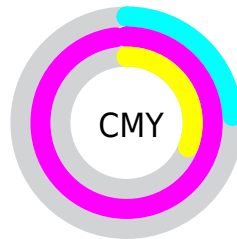
- Red (76%)
- Green (2%)
- Blue (69%)



- Red (76%)
- Yellow (2%)
- Blue (69%)



- Cyan (0%)
- Magenta (98%)
- Yellow (9%)
- Black (24%)





- Cyan (24%)
- Magenta (98%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 86.932, 332.096 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, 86.932, 332.096 by changing the saturation by 10% instead.


 45, 86.932,
332.096


 45, 86.932,
332.096


 100, 86.932,
332.096


 35, 86.932,
332.096

 65, 86.932,
332.096


 25, 86.932,
332.096

 75, 86.932,
332.096

 15, 86.932,
332.096

 85, 86.932,
332.096

 5, 86.932, 332.096

 95, 86.932,
332.096

 0, 86.932, 332.096

 45, 86.932,

 45, 86.932,

332.096

332.096

■ 45, 87.243,
332.196

■ 46, 85.040,
331.664

■ 47, 80.907,
331.217

■ 50, 74.452,
330.743

■ 53, 65.983,
330.237

■ 56, 55.962,
329.699

■ 60, 44.879,
329.138

■ 65, 33.170,
328.561

■ 69, 21.177,
327.976

Harmonies

Complementary

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



45, 86.932, 332.096



68, 94.620, 136.925

Rectangle

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



45, 86.932, 332.096



45, 86.932, 22.096



45, 86.932, 152.096



45, 86.932, 202.096

Sweetspot

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



45, 86.929, 332.096



81, 42.873, 328.664



24, 106.837, 306.370



41, 29.346, 328.913



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, 86.929, 332.096



58, 105.896, 332.264



41, 68.071, 9.134



38, 6.793, 327.486



37, 76.274, 332.137



4, 22.262, 329.567

Inverse Universe

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



45, 86.929, 332.096



58, 105.896, 332.264



69, 65.128, 154.175



38, 6.793, 327.486



37, 76.274, 332.137



4, 22.262, 329.567

Previews

White Background



This preview shows how the CIELCh color 45, 86.932, 332.096 looks on a white background.

Color Contrast Check

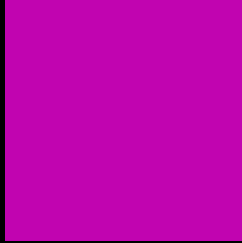
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.932, 332.096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

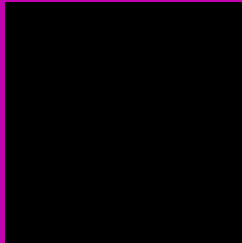
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 86.932, 332.096

Background



This preview shows how black text looks on a background with the CIELCh color 45, 86.932, 332.096.



This preview shows how white text looks on a background with the CIELCh color 45, 86.932, 332.096.

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, 87.034, 332.095

Protanopia

46, 69.473, 287.172

Deuteranopia

46, 34.389, 281.169



Tritanopia
45, 51.464, 25.541

Trichromacy



Original Color
45, 87.034, 332.095



Protanomaly
38, 82.605, 301.339



Deuteranomaly
40, 61.110, 312.732



Tritanomaly
44, 59.933, 357.315

Monochromacy



Original Color
45, 87.034, 332.095



Achromatopsia
34, 0.005, 296.813



Achromatomaly
34, 44.469, 329.977

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 86.932, 332.096 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(193, 4, 176)` looks like.

```
.text, #text, p{  
    color:rgb(193, 4, 176)  
}
```

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(193, 4, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 4, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 86.932, 332.096 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(193, 4, 176) }
```

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

```
.border{ border-color:rgb(193, 4, 176) }
```

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

Here you see how a box with a 4 pixel rgb(193, 4, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 4, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 4, 176);  
box-shadow:4px 4px 4px 4px rgb(193, 4,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 86.932, 332.096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 4, 176) }
```

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

```
.background{ background-color: rgb(193, 4,  
176) }
```

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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