

Converting Colors

CIELCh(45, 87.164, 331.874)

Have a look what the booklet for
CIELCh(45, 87.164, 331.874)
contains.

CIELCh(45, 87.290, 331.846)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	26

Color

CIELCh(45, 87.290, 331.846)

Conversions

Conversions Part 1

Format	Color
Hex	C104B1
RGB	193, 4, 177
RGB Percent	76%, 2%, 69%
CMY	0.2444, 0.9846, 0.3071
CMYK	0.00, 0.98, 0.08, 0.24
HSL	305°, 96%, 39%
HSV	305°, 98%, 76%
XYZ	29.8576, 14.5417, 42.6711
YIQ	80.2330, 57.1110, 93.8710

Conversions

Conversions Part 2

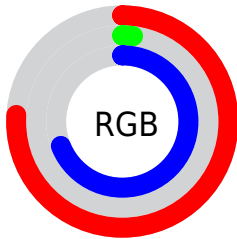
Format	Color
RYB	193, 4, 177
Decimal	12649649
CIELab	45.00, 76.96, -41.19
CIElCh	45, 87.290, 331.846
Yxy	14.5417, 0.3429, 0.1670
Android (android.graphics.Color)	4290839729 (0xFFC104B1)
YUV	80.2330, 47.7061, 98.8967
Hunter-Lab	38.1336, 73.0272, -39.6514

Details

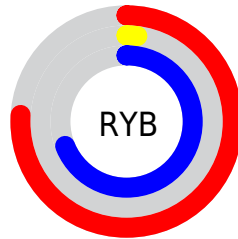
The CIELCh color **45, 87.290, 331.846** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **68, 94.802, 136.837**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 87.302, 331.842**, and **31, 67.694, 331.669** is the 20% darker color. If you saturate the color by 10%, you get **45, 87.569, 331.928**, and if you desaturate by 10%, it is **46, 85.410, 331.439**.

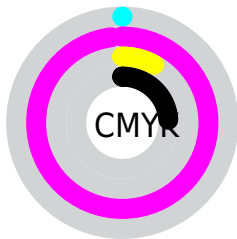
Distribution



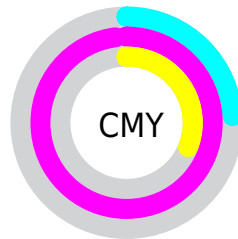
- Red (76%)
- Green (2%)
- Blue (69%)



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



- Cyan (0%)
- Magenta (98%)
- Yellow (8%)
- Black (24%)





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

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 87.290, 331.846 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, 87.290, 331.846 by changing the saturation by 10% instead.

 45, 87.290,
331.846

 45, 87.290,
331.846


 100, 87.290,
331.846


 35, 87.290,
331.846

 65, 87.290,
331.846


 25, 87.290,
331.846

 75, 87.290,
331.846

 15, 87.290,
331.846

 85, 87.290,
331.846

 5, 87.290, 331.846

 95, 87.290,
331.846

 0, 87.290, 331.846

 45, 87.290,

 45, 87.290,

331.846

331.846

■ 45, 87.569,
331.928

■ 46, 85.410,
331.439

■ 47, 81.316,
331.013

■ 50, 74.897,
330.554

■ 53, 66.451,
330.060

■ 56, 56.437,
329.532

■ 60, 45.345,
328.977

■ 64, 33.614,
328.405

■ 69, 21.589,
327.824

Harmonies

Complementary

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



45, 87.290, 331.846



68, 94.802, 136.837

Rectangle

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



45, 87.290, 331.846



45, 87.290, 21.846



45, 87.290, 151.846



45, 87.290, 201.846

Sweetspot

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



45, 87.287, 331.846



81, 43.036, 328.491



24, 106.911, 306.389



41, 29.457, 328.738



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, 87.287, 331.846



58, 106.367, 331.992



41, 68.087, 9.265



38, 6.819, 327.319



37, 76.603, 331.874



4, 22.380, 329.349

Inverse Universe

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



45, 87.287, 331.846



58, 106.367, 331.992



69, 65.192, 154.114



38, 6.819, 327.319



37, 76.603, 331.874



4, 22.380, 329.349

Previews

White Background



This preview shows how the CIELCh color 45, 87.290, 331.846 looks on a white background.

Color Contrast Check

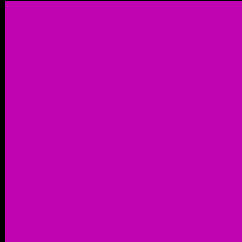
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 45, 87.290, 331.846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

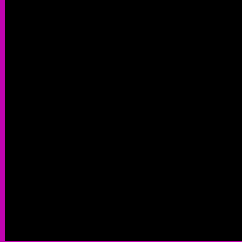
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 87.290, 331.846

Background



This preview shows how black text looks on a background with the CIELCh color 45, 87.290, 331.846.



This preview shows how white text looks on a background with the CIELCh color 45, 87.290, 331.846.

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, 87.391, 331.846

Deuteranopia

46, 35.000, 281.105

Tritanopia

46, 50.964, 25.365

Trichromacy



Original Color
45, 87.391, 331.846

Deuteranomaly
40, 61.617, 312.291

Tritanomaly
44, 60.063, 356.773

Monochromacy



Original Color
45, 87.391, 331.846

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 45.063, 329.976

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 87.290, 331.846 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(193, 4, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 4, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 87.290, 331.846 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, 177) }
```

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

```
.border{ border-color:rgb(193, 4, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 4, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 4, 177);  
box-shadow:4px 4px 4px 4px rgb(193, 4,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 87.290, 331.846 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, 177) }
```

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

```
.background{ background-color: rgb(193, 4,  
177) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor