

Converting Colors

CIELCh(45, 87.516, 331.630)

Have a look what the booklet for
CIELCh(45, 87.516, 331.630)
contains.

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Color

CIELCh(45, 87.381, 331.617)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | C005B1 |
| RGB | 192, 5, 177 |
| RGB Percent | 75%, 2%, 69% |
| CMY | 0.2458, 0.9802, 0.3048 |
| CMYK | 0.00, 0.97, 0.08, 0.25 |
| HSL | 305°, 95%, 39% |
| HSV | 305°, 97%, 75% |
| XYZ | 29.8352, 14.5417, 42.9784 |
| YIQ | 80.5210, 56.2400, 93.1360 |

Conversions

Conversions Part 2

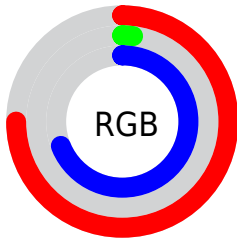
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 192, 5, 177 |
| Decimal | 12584369 |
| CIE _{Lab} | 45.00, 76.88, -41.54 |
| CIE _{LCh} | 45, 87.381, 331.617 |
| Yxy | 14.5417, 0.3415, 0.1665 |
| Android (android.graphics.Color) | 4290774449 (0xFFC005B1) |
| YUV | 80.5210, 47.5641, 97.7671 |
| Hunter-Lab | 38.1336, 72.9221, -40.1292 |

Details

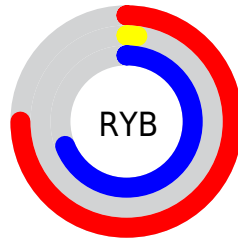
The CIELCh color **45, 87.381, 331.617** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **68, 94.601, 136.828**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 87.208, 331.628**, and **31, 67.687, 331.354** is the 20% darker color. If you saturate the color by 10%, you get **45, 87.749, 331.718**, and if you desaturate by 10%, it is **46, 85.380, 331.228**.

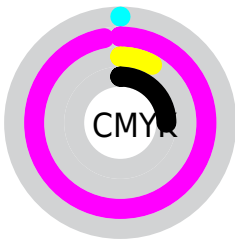
Distribution



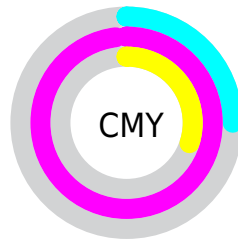
- Red (75%)
- Green (2%)
- Blue (69%)



- Red (75%)
- Yellow (2%)
- Blue (69%)



- Cyan (0%)
- Magenta (97%)
- Yellow (8%)
- Black (25%)




- Cyan (25%)
- Magenta (98%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 87.381, 331.617 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, 87.381, 331.617 by changing the saturation by 10% instead.


 45, 87.381,
331.617


 45, 87.381,
331.617


 100, 87.381,
331.617


 35, 87.381,
331.617

 65, 87.381,
331.617


 25, 87.381,
331.617

 75, 87.381,
331.617

 15, 87.381,
331.617

 85, 87.381,
331.617

 5, 87.381, 331.617

 95, 87.381,
331.617

 0, 87.381, 331.617

 45, 87.381,

 45, 87.381,

331.617

331.617

■ 45, 87.749,
331.718

■ 46, 85.380,
331.228

■ 47, 81.124,
330.816

■ 50, 74.556,
330.367

■ 53, 65.988,
329.879

■ 56, 55.882,
329.355

■ 60, 44.726,
328.804

■ 65, 32.952,
328.234

■ 69, 20.902,
327.656

Harmonies

Complementary

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



45, 87.381, 331.617



68, 94.601, 136.828

Rectangle

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



45, 87.381, 331.617



45, 87.381, 21.617



45, 87.381, 151.617



45, 87.381, 201.617

Sweetspot

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



45, 87.378, 331.617



81, 43.165, 328.355



24, 106.574, 306.275



41, 29.546, 328.600



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, 87.378, 331.617



58, 106.742, 331.778



41, 67.807, 7.388



38, 6.840, 327.187



37, 76.866, 331.667



4, 22.473, 329.178

Inverse Universe

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



45, 87.378, 331.617



58, 106.742, 331.778



69, 66.097, 153.257



38, 6.840, 327.187



37, 76.866, 331.667



4, 22.473, 329.178

Previews

White Background



This preview shows how the CIELCh color 45, 87.381, 331.617 looks on a white background.

Color Contrast Check

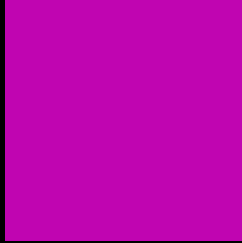
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.381, 331.617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

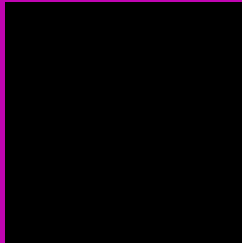
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 87.381, 331.617

Background



This preview shows how black text looks on a background with the CIELCh color 45, 87.381, 331.617.



This preview shows how white text looks on a background with the CIELCh color 45, 87.381, 331.617.

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, 87.279, 331.617

Protanopia

46, 69.543, 287.370

Deuteranopia

46, 35.610, 281.053



Tritanopia
45, 50.539, 25.277

Trichromacy



Original Color
45, 87.279, 331.617



Protanomaly
38, 82.605, 301.339



Deuteranomaly
40, 61.513, 311.686



Tritanomaly
44, 59.948, 355.940

Monochromacy



Original Color
45, 87.279, 331.617



Achromatopsia
34, 0.005, 296.813



Achromatomaly
34, 44.910, 329.485

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 87.381, 331.617 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, 5, 177)` looks like.

```
.text, #text, p{  
    color:rgb(192, 5, 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(192, 5, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 5, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 87.381, 331.617 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, 5, 177) }
```

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

```
.border{ border-color:rgb(192, 5, 177) }
```

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

Here you see how a box with a 4 pixel rgb(192, 5, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 5, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 5, 177);  
box-shadow:4px 4px 4px 4px rgb(192, 5,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 87.381, 331.617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 5, 177) }
```

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

```
.background{ background-color: rgb(192, 5,  
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](#).

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