

Converting Colors

CIELCh(45, 83.800, 336.518)

Have a look what the booklet for
CIELCh(45, 83.800, 336.518)
contains.

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Color

CIELCh(45, 83.503, 336.530)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | C500A3 |
| RGB | 197, 0, 163 |
| RGB Percent | 77%, 0%, 64% |
| CMY | 0.2259, 1.0000, 0.3590 |
| CMYK | 0.00, 1.00, 0.17, 0.23 |
| HSL | 310°, 100%, 39% |
| HSV | 310°, 100%, 77% |
| XYZ | 29.7609, 14.5417, 36.1037 |
| YIQ | 77.4850, 65.0890, 92.4570 |

Conversions

Conversions Part 2

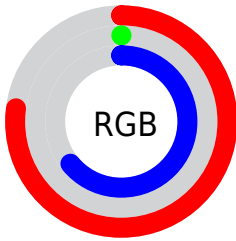
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 197, 0, 163 |
| Decimal | 12910755 |
| CIELab | 45.00, 76.59, -33.26 |
| CIELCh | 45, 83.503, 336.530 |
| Yxy | 14.5417, 0.3701, 0.1809 |
| Android (android.graphics.Color) | 4291100835 (0xFFC500A3) |
| YUV | 77.4850, 42.1589, 104.8147 |
| Hunter-Lab | 38.1336, 72.5745, -29.4404 |

Details

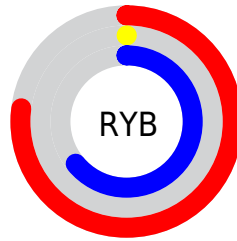
The CIELCh color **45, 83.503, 336.530** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **70, 94.302, 137.937**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 82.763, 336.078**, and **31, 63.103, 337.618** is the 20% darker color. If you saturate the color by 10%, you get **45, 83.301, 336.541**, and if you desaturate by 10%, it is **46, 82.164, 335.667**.

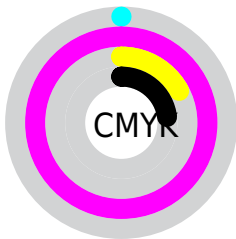
Distribution



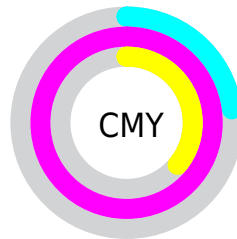
- Red (77%)
- Green (0%)
- Blue (64%)



- Red (77%)
- Yellow (0%)
- Blue (64%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (23%)





- Cyan (23%)
- Magenta (100%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 83.503, 336.530 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, 83.503, 336.530 by changing the saturation by 10% instead.


 45, 83.503,
336.530


 45, 83.503,
336.530


 100, 83.503,
336.530


 35, 83.503,
336.530

 65, 83.503,
336.530


 25, 83.503,
336.530

 75, 83.503,
336.530

 15, 83.503,
336.530

 85, 83.503,
336.530

 5, 83.503, 336.530

 95, 83.503,
336.530

 0, 83.503, 336.530

 45, 83.503,

 45, 83.503,

336.530

336.530

■ 45, 83.301,
336.541

■ 46, 82.164,
335.667

■ 47, 78.976,
334.869

■ 50, 73.391,
334.133

■ 53, 65.687,
333.432

■ 56, 56.327,
332.751

■ 60, 45.818,
332.084

■ 65, 34.617,
331.427

■ 70, 23.087,
330.782

■ 75, 11.491,
330.146

Harmonies

Complementary

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



45, 83.503, 336.530



70, 94.302, 137.937

Rectangle

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



45, 83.503, 336.530



45, 83.503, 26.530



45, 83.503, 156.530



45, 83.503, 206.530

Sweetspot

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



45, 83.301, 336.541



82, 42.607, 331.457



25, 109.161, 306.973



41, 29.002, 331.737



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45, 83.301, 336.541



58, 100.808, 336.693



42, 71.361, 18.327



39, 6.554, 330.107



37, 72.465, 336.405



4, 23.014, 333.671

Inverse Universe

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



45, 83.301, 336.541



58, 100.808, 336.693



71, 60.841, 159.198



39, 6.554, 330.107



37, 72.465, 336.405



4, 23.014, 333.671

Previews

White Background



This preview shows how the CIELCh color 45, 83.503, 336.530 looks on a white background.

Color Contrast Check

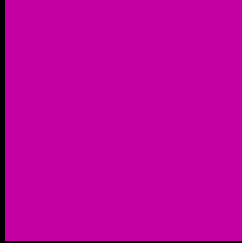
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.503, 336.530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

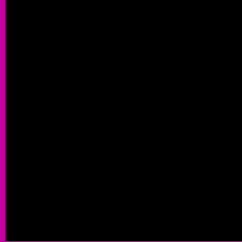
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 83.503, 336.530

Background



This preview shows how black text looks on a background with the CIELCh color 45, 83.503, 336.530.



This preview shows how white text looks on a background with the CIELCh color 45, 83.503, 336.530.

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, 83.136, 336.577

Protanopia

46, 70.019, 287.372

Deuteranopia

46, 26.981, 283.251



Tritanopia
46, 56.465, 26.941

Trichromacy



Original Color
45, 83.136, 336.577



Protanomaly
37, 80.987, 301.665



Deuteranomaly
40, 55.868, 318.110



Tritanomaly
44, 62.095, 1.773

Monochromacy



Original Color
45, 83.136, 336.577



Achromatopsia
33, 0.005, 296.813



Achromatomaly
33, 43.681, 333.064

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 83.503, 336.530 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(197, 0, 163)` looks like.

```
.text, #text, p{  
    color:rgb(197, 0, 163)  
}
```

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(197, 0, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 0, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 83.503, 336.530 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(197, 0, 163) }
```

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

```
.border{ border-color:rgb(197, 0, 163) }
```

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

Here you see how a box with a 4 pixel rgb(197, 0, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 0, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 0, 163);  
box-shadow:4px 4px 4px 4px rgb(197, 0,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 83.503, 336.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 0, 163) }
```

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

```
.background{ background-color: rgb(197, 0,  
163) }
```

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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