

Converting Colors

CIELCh(45, 88.157, 331.600)

Have a look what the booklet for
CIELCh(45, 88.157, 331.600)
contains.

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Color

CIELCh(45, 88.157, 331.600)

Conversions

Conversions Part 1

Format	Color
Hex	C100B2
RGB	193, 0, 178
RGB Percent	76%, 0%, 70%
CMY	0.2433, 1.0000, 0.3021
CMYK	0.00, 1.00, 0.08, 0.24
HSL	305°, 100%, 38%
HSV	305°, 100%, 76%
XYZ	30.0121, 14.5417, 43.3237
YIQ	77.9990, 57.8900, 96.2740

Conversions

Conversions Part 2

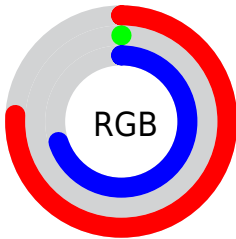
Format	Color
R_{YB}	193, 0, 178
Decimal	12648626
CIE _{Lab}	45.00, 77.55, -41.93
CIE _{LCh}	45, 88.157, 331.600
Yxy	14.5417, 0.3415, 0.1655
Android (android.graphics.Color)	4290838706 (0xFFC100B2)
YUV	77.9990, 49.3005, 100.8559
Hunter-Lab	38.1336, 73.7502, -40.6661

Details

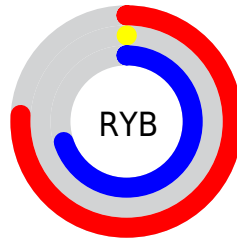
The CIELCh color **45, 88.157, 331.600** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **68, 95.661, 136.637**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 88.088, 331.605**, and **31, 68.079, 331.331** is the 20% darker color. If you saturate the color by 10%, you get **45, 88.143, 331.600**, and if you desaturate by 10%, it is **46, 86.486, 331.226**.

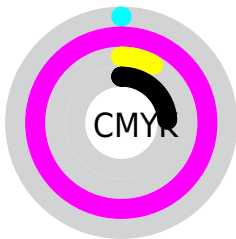
Distribution



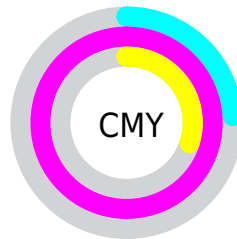
- Red (76%)
- Green (0%)
- Blue (70%)



- Red (76%)
- Yellow (0%)
- Blue (70%)



- Cyan (0%)
- Magenta (100%)
- Yellow (8%)
- Black (24%)



- Cyan (24%)
- Magenta (100%)
- Yellow (30%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 88.157, 331.600 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, 88.157, 331.600 by changing the saturation by 10% instead.

 45, 88.157,
331.600

 45, 88.157,
331.600

 100, 88.157,
331.600

 35, 88.157,
331.600

 65, 88.157,
331.600

 25, 88.157,
331.600

 75, 88.157,
331.600

 15, 88.157,
331.600

 85, 88.157,
331.600

 5, 88.157, 331.600

 95, 88.157,
331.600

 0, 88.157, 331.600

 45, 88.157,

 45, 88.157,

331.600

331.600

■ 45, 88.143,
331.600

■ 46, 86.486,
331.226

■ 47, 82.837,
330.830

■ 49, 76.830,
330.398

■ 52, 68.713,
329.926

■ 55, 58.922,
329.415

■ 59, 47.950,
328.872

■ 64, 36.250,
328.309

■ 68, 24.192,
327.733

■ 73, 12.049,
327.150

Harmonies

Complementary

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



45, 88.157, 331.600



68, 95.661, 136.637

Rectangle

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



45, 88.157, 331.600



45, 88.157, 21.600



45, 88.157, 151.600



45, 88.157, 201.600

Sweetspot

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



45, 88.143, 331.600



80, 44.711, 328.336



23, 108.163, 306.477



40, 30.420, 328.577



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, 88.143, 331.600



58, 106.956, 331.658



41, 68.498, 8.595



38, 6.852, 327.113



37, 77.016, 331.551



4, 22.527, 329.081

Inverse Universe

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



45, 88.143, 331.600



58, 106.956, 331.658



69, 67.292, 152.680



38, 6.852, 327.113



37, 77.016, 331.551



4, 22.527, 329.081

Previews

White Background



This preview shows how the CIELCh color 45, 88.157, 331.600 looks on a white background.

Color Contrast Check

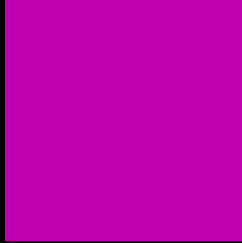
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.157, 331.600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

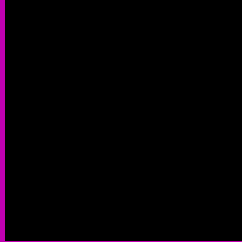
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 88.157, 331.600

Background



This preview shows how black text looks on a background with the CIELCh color 45, 88.157, 331.600.

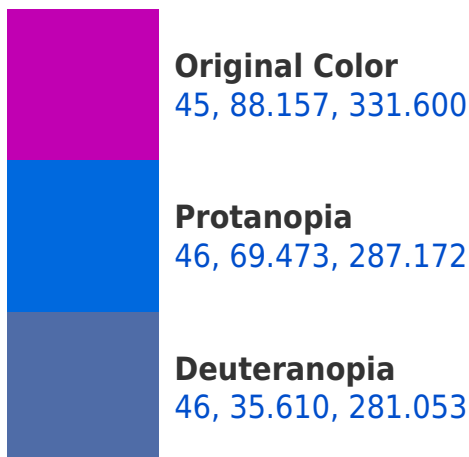


This preview shows how white text looks on a background with the CIELCh color 45, 88.157, 331.600.

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





Tritanopia
46, 50.964, 25.365

Trichromacy



Original Color
45, 88.157, 331.600



Protanomaly
37, 83.759, 301.593



Deuteranomaly
40, 62.740, 312.033



Tritanomaly
44, 60.527, 356.098

Monochromacy



Original Color
45, 88.157, 331.600



Achromatopsia
33, 0.005, 296.813



Achromatomaly
33, 45.661, 329.997

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 88.157, 331.600 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, 0, 178)` looks like.

```
.text, #text, p{  
    color:rgb(193, 0, 178)  
}
```

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, 0, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 88.157, 331.600 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, 0, 178) }
```

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

```
.border{ border-color:rgb(193, 0, 178) }
```

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

Here you see how a box with a 4 pixel rgb(193, 0, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 178);  
box-shadow:4px 4px 4px 4px rgb(193, 0,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 88.157, 331.600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 0, 178) }
```

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

```
.background{ background-color: rgb(193, 0,  
178) }
```

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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