

Converting Colors

CIELCh(45, 88.666, 328.516)

Have a look what the booklet for
CIELCh(45, 88.666, 328.516)
contains.

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Color

CIELCh(45, 88.566, 328.588)

Conversions

Conversions Part 1

Format	Color
Hex	BB13B9
RGB	187, 19, 185
RGB Percent	73%, 7%, 73%
CMY	0.2665, 0.9251, 0.2744
CMYK	0.00, 0.90, 0.01, 0.27
HSL	301°, 81%, 40%
HSV	301°, 90%, 73%
XYZ	29.4964, 14.5417, 47.1696
YIQ	88.1560, 46.8420, 87.2420

Conversions

Conversions Part 2

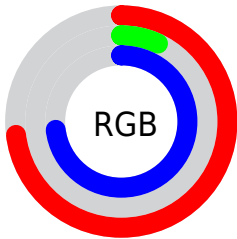
Format	Color
R_{YB}	187, 19, 185
Decimal	12260281
CIE _{Lab}	45.00, 75.59, -46.16
CIE _{LCh}	45, 88.566, 328.588
Yxy	14.5417, 0.3234, 0.1594
Android (android.graphics.Color)	4290450361 (0xFFBB13B9)
YUV	88.1560, 47.7441, 86.6862
Hunter-Lab	38.1336, 71.3365, -46.6456

Details

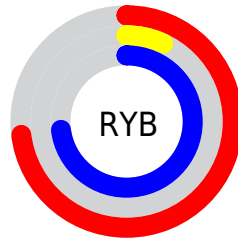
The CIELCh color **45, 88.566, 328.588** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **66, 91.896, 136.585**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 88.841, 328.566**, and **30, 70.538, 327.647** is the 20% darker color. If you saturate the color by 10%, you get **44, 90.661, 328.709**, and if you desaturate by 10%, it is **46, 84.532, 328.400**.

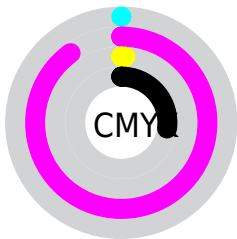
Distribution



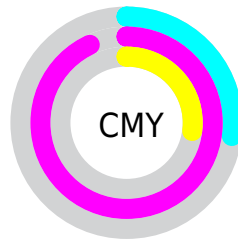
- Red (73%)
- Green (7%)
- Blue (73%)



- Red (73%)
- Yellow (7%)
- Blue (73%)



- Cyan (0%)
- Magenta (90%)
- Yellow (1%)
- Black (27%)



- Cyan (27%)
- Magenta (93%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 88.566, 328.588 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, 88.566, 328.588 by changing the saturation by 10% instead.

 45, 88.566,
328.588

 45, 88.566,
328.588


 100, 88.566,
328.588


 35, 88.566,
328.588

 65, 88.566,
328.588


 25, 88.566,
328.588

 75, 88.566,
328.588

 15, 88.566,
328.588

 85, 88.566,
328.588

 5, 88.566, 328.588

 95, 88.566,
328.588

 0, 88.566, 328.588

 45, 88.566,

 45, 88.566,

328.588

■ 44, 90.661,
328.709

■ 44, 90.701,
328.711

328.588

■ 46, 84.532,
328.400

■ 48, 78.213,
328.129

■ 51, 69.836,
327.779

■ 54, 59.813,
327.358

■ 58, 48.617,
326.883

■ 62, 36.694,
326.368

■ 66, 24.406,
325.829

■ 71, 12.028,
325.272

Harmonies

Complementary

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



45, 88.566, 328.588



66, 91.896, 136.585

Rectangle

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



45, 88.566, 328.588



45, 88.566, 18.588



45, 88.566, 148.588



45, 88.566, 198.588

Sweetspot

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



45, 88.564, 328.588



80, 41.069, 326.243



24, 100.501, 305.313



41, 27.861, 326.425



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



45, 88.564, 328.588



57, 110.116, 328.719



41, 65.709, 358.153



37, 7.011, 325.248



37, 80.108, 328.705



3, 21.242, 325.863

Inverse Universe

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



45, 88.564, 328.588



57, 110.116, 328.719



67, 66.139, 151.364



37, 7.011, 325.248



37, 80.108, 328.705



3, 21.242, 325.863

Previews

White Background



This preview shows how the CIELCh color 45, 88.566, 328.588 looks on a white background.

Color Contrast Check

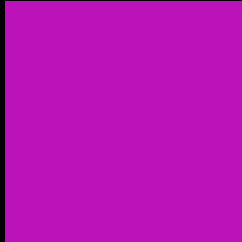
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.566, 328.588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

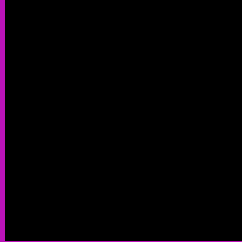
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 88.566, 328.588

Background



This preview shows how black text looks on a background with the CIELCh color 45, 88.566, 328.588.

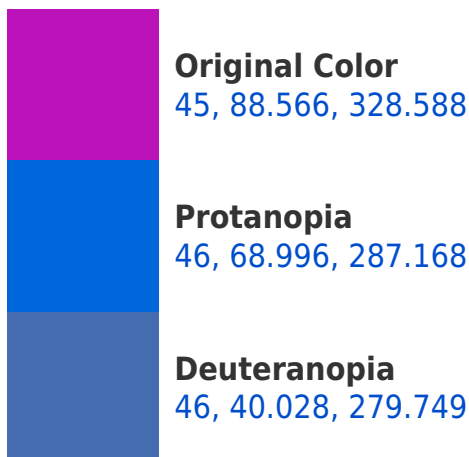


This preview shows how white text looks on a background with the CIELCh color 45, 88.566, 328.588.

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
45, 45.805, 23.325

Trichromacy



Original Color
45, 88.566, 328.588



Protanomaly
39, 80.642, 300.037



Deuteranomaly
41, 62.052, 307.408



Tritanomaly
44, 56.536, 351.991

Monochromacy



Original Color
45, 88.566, 328.588



Achromatopsia
37, 0.005, 296.813



Achromatomaly
36, 42.317, 327.385

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 88.566, 328.588 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(187, 19, 185)` looks like.

```
.text, #text, p{  
    color:rgb(187, 19, 185)  
}
```

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(187, 19, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 19, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 88.566, 328.588 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(187, 19, 185) }
```

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

```
.border{ border-color:rgb(187, 19, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 19, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 19, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 19, 185);  
box-shadow:4px 4px 4px 4px rgb(187, 19,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 88.566, 328.588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 19, 185) }
```

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

```
.background{ background-color: rgb(187, 19,  
185) }
```

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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