

Converting Colors

CIELCh(45, 90.715, 328.861)

Have a look what the booklet for
CIELCh(45, 90.715, 328.861)
contains.

CIELCh(45, 90.612, 328.858)	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>	27

Color

CIELCh(45, 90.612, 328.858)

Conversions

Conversions Part 1

Format	Color
Hex	BD06BA
RGB	189, 6, 186
RGB Percent	74%, 2%, 73%
CMY	0.2577, 0.9765, 0.2695
CMYK	0.00, 0.97, 0.02, 0.26
HSL	301°, 94%, 38%
HSV	301°, 97%, 74%
XYZ	30.0138, 14.5417, 47.8285
YIQ	81.2370, 51.2880, 94.7760

Conversions

Conversions Part 2

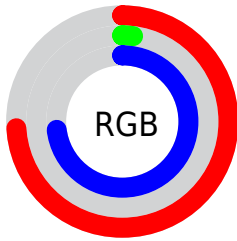
Format	Color
RYB	189, 6, 186
Decimal	12388026
CIELab	45.00, 77.55, -46.86
CIElCh	45, 90.612, 328.858
Yxy	14.5417, 0.3249, 0.1574
Android (android.graphics.Color)	4290578106 (0xFFBD06BA)
YUV	81.2370, 51.6482, 94.5082
Hunter-Lab	38.1336, 73.7583, -47.6701

Details

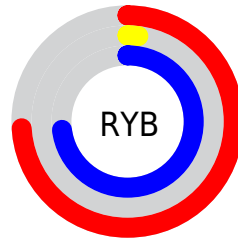
The CIELCh color **45, 90.612, 328.858** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **67, 94.702, 136.262**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 90.686, 328.800**, and **31, 70.904, 327.941** is the 20% darker color. If you saturate the color by 10%, you get **45, 91.185, 328.898**, and if you desaturate by 10%, it is **46, 88.134, 328.709**.

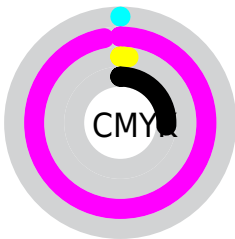
Distribution



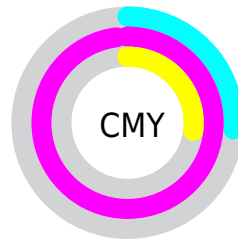
- Red (74%)
- Green (2%)
- Blue (73%)



- Red (74%)
- Yellow (2%)
- Blue (73%)



- Cyan (0%)
- Magenta (97%)
- Yellow (2%)
- Black (26%)





- Cyan (26%)
- Magenta (98%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 90.612, 328.858 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, 90.612, 328.858 by changing the saturation by 10% instead.


 45, 90.612,
328.858


 45, 90.612,
328.858


 100, 90.612,
328.858


 35, 90.612,
328.858

 65, 90.612,
328.858


 25, 90.612,
328.858

 75, 90.612,
328.858

 15, 90.612,
328.858

 85, 90.612,
328.858

 5, 90.612, 328.858

 95, 90.612,
328.858

 0, 90.612, 328.858

 45, 90.612,

 45, 90.612,

328.858

328.858

■ 45, 91.185,
328.898

■ 46, 88.134,
328.709

■ 47, 83.417,
328.485

■ 49, 76.428,
328.181

■ 52, 67.467,
327.801

■ 56, 56.983,
327.358

■ 60, 45.455,
326.865

■ 64, 33.309,
326.339

■ 69, 20.887,
325.792

Harmonies

Complementary

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



45, 90.612, 328.858



67, 94.702, 136.262

Rectangle

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



45, 90.612, 328.858



45, 90.612, 18.858



45, 90.612, 148.858



45, 90.612, 198.858

Sweetspot

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



45, 90.610, 328.858



80, 44.693, 326.480



23, 105.378, 306.012



41, 30.842, 326.708



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, 90.610, 328.858



58, 111.458, 328.909



41, 67.317, 0.845



37, 6.990, 325.372



37, 79.826, 328.889



3, 21.148, 326.021

Inverse Universe

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



45, 90.610, 328.858



58, 111.458, 328.909



68, 69.883, 149.781



37, 6.990, 325.372



37, 79.826, 328.889



3, 21.148, 326.021

Previews

White Background



This preview shows how the CIELCh color 45, 90.612, 328.858 looks on a white background.

Color Contrast Check

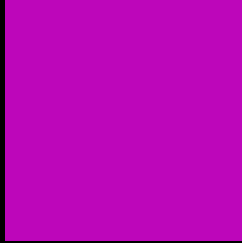
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.612, 328.858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

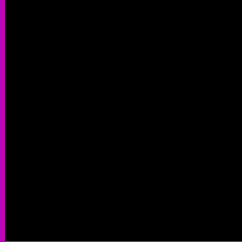
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 90.612, 328.858

Background



This preview shows how black text looks on a background with the CIELCh color 45, 90.612, 328.858.



This preview shows how white text looks on a background with the CIELCh color 45, 90.612, 328.858.

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, 90.510, 328.854

Protanopia

46, 69.543, 287.370

Deuteranopia

46, 40.024, 279.350



Tritanopia
45, 47.162, 23.709

Trichromacy



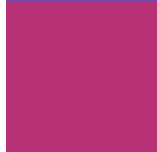
Original Color
45, 90.510, 328.854



Protanomaly
38, 84.258, 301.336



Deuteranomaly
40, 65.118, 308.448



Tritanomaly
43, 58.748, 352.455

Monochromacy



Original Color
45, 90.510, 328.854



Achromatopsia
34, 0.005, 296.813



Achromatomaly
34, 45.530, 327.594

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 90.612, 328.858 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(189, 6, 186)` looks like.

```
.text, #text, p{  
    color:rgb(189, 6, 186)  
}
```

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(189, 6, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 6, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 90.612, 328.858 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(189, 6, 186) }
```

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

```
.border{ border-color:rgb(189, 6, 186) }
```

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

Here you see how a box with a 4 pixel rgb(189, 6, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 6, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 6, 186);  
box-shadow:4px 4px 4px 4px rgb(189, 6,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 90.612, 328.858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 6, 186) }
```

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

```
.background{ background-color: rgb(189, 6,  
186) }
```

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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