

Converting Colors

CIELCh(45, 92.178, 328.272)

Have a look what the booklet for
CIELCh(45, 92.178, 328.272)
contains.

CIELCh(45, 92.163, 328.229)	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, 92.163, 328.229)

Conversions

Conversions Part 1

Format	Color
Hex	BD01BD
RGB	189, 1, 189
RGB Percent	74%, 0%, 74%
CMY	0.2584, 0.9945, 0.2584
CMYK	0.00, 0.99, 0.00, 0.26
HSL	300°, 99%, 37%
HSV	300°, 99%, 74%
XYZ	30.2258, 14.5417, 49.4174
YIQ	78.6440, 51.7000, 98.3240

Conversions

Conversions Part 2

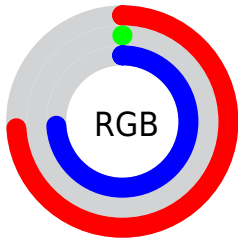
Format	Color
R_{YB}	189, 1, 189
Decimal	12386749
CIE _{Lab}	45.00, 78.35, -48.53
CIE _{LCh}	45, 92.163, 328.229
Yxy	14.5417, 0.3209, 0.1544
Android (android.graphics.Color)	4290576829 (0xFFBD01BD)
YUV	78.6440, 54.4055, 96.7822
Hunter-Lab	38.1336, 74.7503, -50.1405

Details

The CIELCh color **45, 92.163, 328.229** is a dark color, and the websafe version is hex **CC00CC**. A complement of this color would be **67, 95.494, 136.045**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 92.264, 328.201**, and **31, 72.142, 327.095** is the 20% darker color. If you saturate the color by 10%, you get **45, 92.304, 328.234**, and if you desaturate by 10%, it is **46, 89.931, 328.146**.

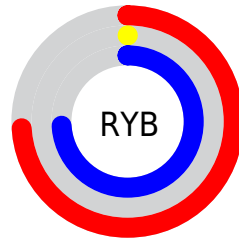
Distribution



Red (74%)

Green (0%)

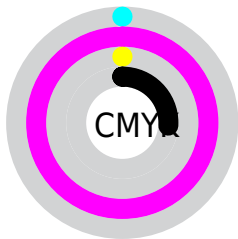
Blue (74%)



Red (74%)

Yellow (0%)

Blue (74%)

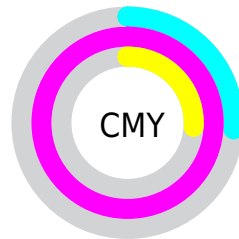


Cyan (0%)

Magenta (99%)

Yellow (0%)

Black (26%)



Cyan (26%)


Magenta (99%)


Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 92.163, 328.229 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, 92.163, 328.229 by changing the saturation by 10% instead.


 45, 92.163,
328.229


 45, 92.163,
328.229


 100, 92.163,
328.229


 35, 92.163,
328.229

 65, 92.163,
328.229


 25, 92.163,
328.229

 75, 92.163,
328.229

 15, 92.163,
328.229

 85, 92.163,
328.229

 5, 92.163, 328.229

 95, 92.163,
328.229

 0, 92.163, 328.229

 45, 92.163,

 45, 92.163,

328.229

328.229

■ 45, 92.304,
328.234

■ 46, 89.931,
328.146

■ 47, 85.682,
327.987

■ 49, 79.129,
327.737

■ 52, 70.511,
327.401

■ 55, 60.247,
326.992

■ 59, 48.817,
326.524

■ 63, 36.665,
326.014

■ 67, 24.158,
325.479

■ 72, 11.570,
324.925

Harmonies

Complementary

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



45, 92.163, 328.229



67, 95.494, 136.045

Rectangle

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



45, 92.163, 328.229



45, 92.163, 18.229



45, 92.163, 148.229



45, 92.163, 198.229

Sweetspot

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



45, 92.161, 328.229



79, 46.334, 326.078



23, 106.508, 306.222



40, 31.514, 326.295



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, 92.161, 328.229



58, 112.044, 328.234



41, 67.582, 1.789



37, 7.068, 324.930



37, 80.846, 328.234



3, 21.489, 325.462

Inverse Universe

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



45, 92.161, 328.229



58, 112.044, 328.234



67, 70.870, 149.259



37, 7.068, 324.930



37, 80.846, 328.234



3, 21.489, 325.462

Previews

White Background



This preview shows how the CIELCh color 45, 92.163, 328.229 looks on a white background.

Color Contrast Check

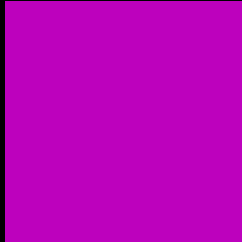
Large Text (above 18pt) WCAG AA ✓ Pass

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, 92.163, 328.229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

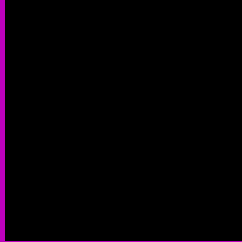
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 92.163, 328.229

Background



This preview shows how black text looks on a background with the CIELCh color 45, 92.163, 328.229.

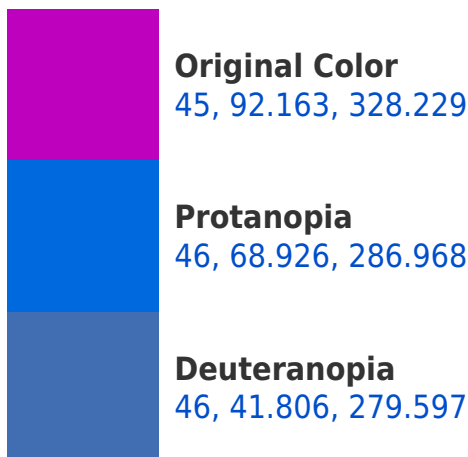


This preview shows how white text looks on a background with the CIELCh color 45, 92.163, 328.229.

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, 46.234, 23.427

Trichromacy



Original Color
45, 92.163, 328.229



Protanomaly
38, 85.407, 301.586



Deuteranomaly
40, 67.981, 308.124



Tritanomaly
43, 59.272, 350.959

Monochromacy



Original Color
45, 92.163, 328.229



Achromatopsia
34, 0.005, 296.813



Achromatomaly
33, 47.196, 327.230

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 92.163, 328.229 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, 1, 189)` looks like.

```
.text, #text, p{  
    color:rgb(189, 1, 189)  
}
```

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, 1, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 1, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 92.163, 328.229 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, 1, 189) }
```

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

```
.border{ border-color:rgb(189, 1, 189) }
```

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

Here you see how a box with a 4 pixel rgb(189, 1, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 1, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 1, 189);  
box-shadow:4px 4px 4px 4px rgb(189, 1,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 92.163, 328.229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 1, 189) }
```

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

```
.background{ background-color: rgb(189, 1,  
189) }
```

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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