

Converting Colors

CIELCh(45, 92.522, 328.541)

Have a look what the booklet for
CIELCh(45, 92.522, 328.541)
contains.

CIELCh(45, 92.248, 328.443)	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, 92.248, 328.443)

Conversions

Conversions Part 1

Format	Color
Hex	BE00BD
RGB	190, 0, 189
RGB Percent	75%, 0%, 74%
CMY	0.2562, 1.0000, 0.2600
CMYK	0.00, 1.00, 0.01, 0.26
HSL	300°, 100%, 37%
HSV	300°, 100%, 74%
XYZ	30.2931, 14.5417, 49.1781
YIQ	78.3560, 52.5710, 99.0590

Conversions

Conversions Part 2

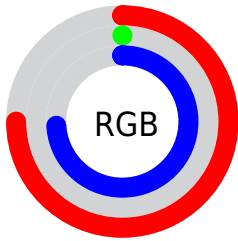
Format	Color
R_{YB}	190, 0, 189
Decimal	12452029
CIE _{Lab}	45.00, 78.61, -48.28
CIE _{LCh}	45, 92.248, 328.443
Yxy	14.5417, 0.3222, 0.1547
Android (android.graphics.Color)	4290642109 (0xFFBE00BD)
YUV	78.3560, 54.5475, 97.9118
Hunter-Lab	38.1336, 75.0654, -49.7684

Details

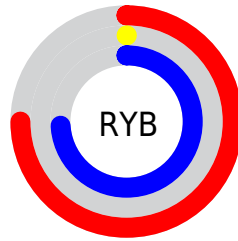
The CIELCh color **45, 92.248, 328.443** is a dark color, and the websafe version is hex **CC00CC**. A complement of this color would be **67, 95.786, 136.057**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 92.331, 328.402**, and **31, 72.114, 327.378** is the 20% darker color. If you saturate the color by 10%, you get **45, 92.136, 328.439**, and if you desaturate by 10%, it is **46, 90.019, 328.343**.

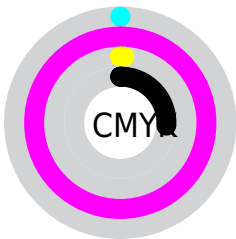
Distribution



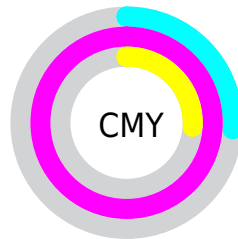
- Red (75%)
- Green (0%)
- Blue (74%)



- Red (75%)
- Yellow (0%)
- Blue (74%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 92.248, 328.443 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, 92.248, 328.443 by changing the saturation by 10% instead.


 45, 92.248,
328.443


 45, 92.248,
328.443


 100, 92.248,
328.443


 35, 92.248,
328.443

 65, 92.248,
328.443


 25, 92.248,
328.443

 75, 92.248,
328.443

 15, 92.248,
328.443

 85, 92.248,
328.443

 5, 92.248, 328.443

 95, 92.248,
328.443

 0, 92.248, 328.443

 45, 92.248,

 45, 92.248,

328.443

328.443

■ 45, 92.136,
328.439

■ 46, 90.019,
328.343

■ 47, 85.968,
328.176

■ 49, 79.600,
327.922

■ 52, 71.136,
327.584

■ 55, 60.990,
327.173

■ 59, 49.641,
326.705

■ 63, 37.541,
326.194

■ 67, 25.062,
325.658

■ 72, 12.485,
325.104

Harmonies

Complementary

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



45, 92.248, 328.443



67, 95.786, 136.057

Rectangle

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



45, 92.248, 328.443



45, 92.248, 18.443



45, 92.248, 148.443



45, 92.248, 198.443

Sweetspot

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



45, 92.136, 328.439



80, 46.564, 326.220



23, 107.118, 306.287



41, 31.940, 326.441



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, 92.136, 328.439



59, 112.466, 328.443



41, 67.830, 2.086



37, 7.043, 325.067



37, 80.526, 328.436



3, 21.382, 325.634

Inverse Universe

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



45, 92.136, 328.439



59, 112.466, 328.443



68, 71.349, 149.098



37, 7.043, 325.067



37, 80.526, 328.436



3, 21.382, 325.634

Previews

White Background



This preview shows how the CIELCh color 45, 92.248, 328.443 looks on a white background.

Color Contrast Check

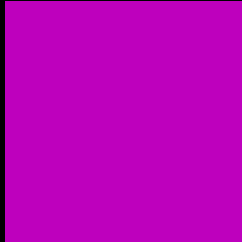
Large Text (above 18pt) WCAG AA ✓ Pass

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, 92.248, 328.443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

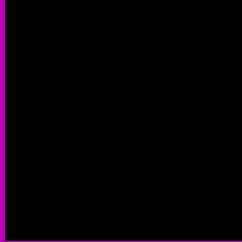
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 92.248, 328.443

Background



This preview shows how black text looks on a background with the CIELCh color 45, 92.248, 328.443.

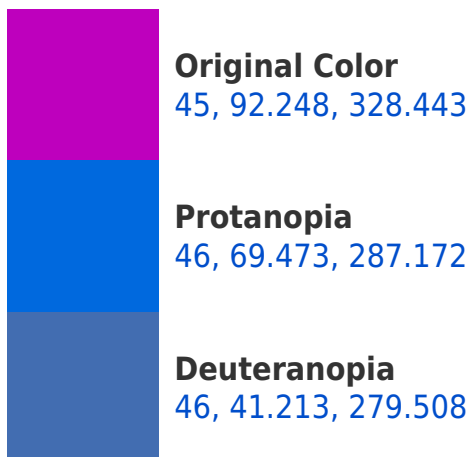


This preview shows how white text looks on a background with the CIELCh color 45, 92.248, 328.443.

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, 46.662, 23.528

Trichromacy



Original Color
45, 92.248, 328.443



Protanomaly
38, 85.945, 301.621



Deuteranomaly
40, 68.046, 308.629



Tritanomaly
43, 59.856, 351.152

Monochromacy



Original Color
45, 92.248, 328.443



Achromatopsia
33, 0.005, 296.813



Achromatomaly
33, 47.323, 327.694

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 92.248, 328.443 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(190, 0, 189)` looks like.

```
.text, #text, p{  
    color:rgb(190, 0, 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(190, 0, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 0, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 92.248, 328.443 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(190, 0, 189) }
```

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

```
.border{ border-color:rgb(190, 0, 189) }
```

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

Here you see how a box with a 4 pixel rgb(190, 0, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 0, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 0, 189);  
box-shadow:4px 4px 4px 4px rgb(190, 0,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 92.248, 328.443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 0, 189) }
```

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

```
.background{ background-color: rgb(190, 0,  
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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