

# Converting Colors

CIELCh(45, 91.141, 328.790)

Have a look what the booklet for  
CIELCh(45, 91.141, 328.790)  
contains.

<b>CIELCh(45, 91.184, 328.861)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(45, 91.184, 328.861)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BE02BB
RGB	190, 2, 187
RGB Percent	75%, 1%, 73%
CMY	0.2558, 0.9913, 0.2676
CMYK	0.00, 0.99, 0.02, 0.26
HSL	301°, 98%, 38%
HSV	301°, 99%, 74%
XYZ	30.1441, 14.5417, 48.1044
YIQ	79.3020, 52.6630, 97.3910

# Conversions

## Conversions Part 2

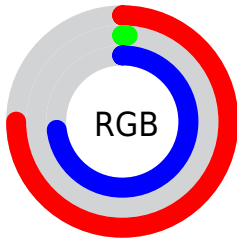
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	190, 2, 187
Decimal	12452539
CIE <sub>Lab</sub>	45.00, 78.05, -47.15
CIE <sub>LCh</sub>	45, 91.184, 328.861
Yxy	14.5417, 0.3249, 0.1567
Android (android.graphics.Color)	4290642619 (0xFFBE02BB)
YUV	79.3020, 53.0951, 97.0821
Hunter-Lab	38.1336, 74.3683, -48.0990

# Details

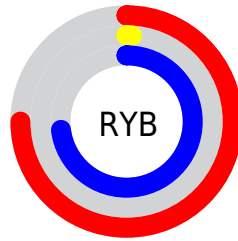
The CIELCh color **45, 91.184, 328.861** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **67, 95.352, 136.184**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 91.140, 328.798**, and **31, 71.292, 327.943** is the 20% darker color. If you saturate the color by 10%, you get **45, 91.394, 328.876**, and if you desaturate by 10%, it is **46, 89.003, 328.724**.

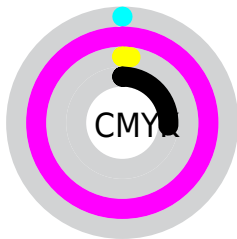
# Distribution



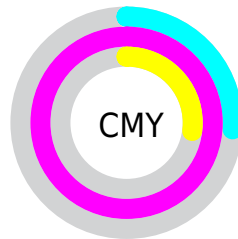
- Red (75%)
- Green (1%)
- Blue (73%)



- Red (75%)
- Yellow (1%)
- Blue (73%)



- Cyan (0%)
- Magenta (99%)
- Yellow (2%)
- Black (26%)




- Cyan (26%)
- Magenta (99%)
- Yellow (27%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 91.184, 328.861 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, 91.184, 328.861 by changing the saturation by 10% instead.





 45, 91.184,  
328.861


 45, 91.184,  
328.861


 100, 91.184,  
328.861


 35, 91.184,  
328.861

 65, 91.184,  
328.861


 25, 91.184,  
328.861

 75, 91.184,  
328.861

 15, 91.184,  
328.861

 85, 91.184,  
328.861

 5, 91.184, 328.861

 95, 91.184,  
328.861

 0, 91.184, 328.861

 45, 91.184,

 45, 91.184,

328.861

328.861

■ 45, 91.394,  
328.876

■ 46, 89.003,  
328.724

■ 47, 84.745,  
328.518

■ 49, 78.179,  
328.231

■ 52, 69.561,  
327.866

■ 55, 59.320,  
327.435

■ 59, 47.938,  
326.952

■ 63, 35.857,  
326.431

■ 68, 23.437,  
325.887

■ 73, 10.950,  
325.327

# Harmonies

# Complementary

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



45, 91.184, 328.861



67, 95.352, 136.184

# Rectangle

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



45, 91.184, 328.861



45, 91.184, 18.861



45, 91.184, 148.861



45, 91.184, 198.861

# Sweetspot

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



45, 91.182, 328.861



80, 46.231, 326.519



23, 106.568, 306.185



40, 31.712, 326.743



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, 91.182, 328.861



58, 111.507, 328.886



41, 67.697, 1.635



37, 6.992, 325.356



37, 79.860, 328.867



3, 21.159, 326.001



# Inverse Universe

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



45, 91.182, 328.861



58, 111.507, 328.886



68, 70.877, 149.344



37, 6.992, 325.356



37, 79.860, 328.867

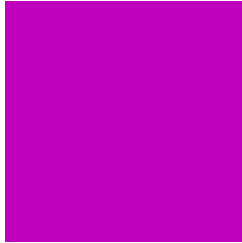


3, 21.159, 326.001



# Previews

## White Background



This preview shows how the CIELCh color 45, 91.184, 328.861 looks on a white background.

## Color Contrast Check

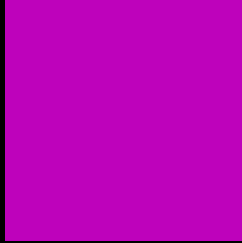
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.184, 328.861 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

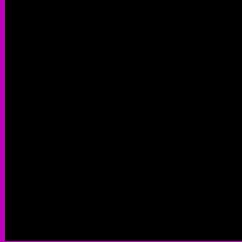
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 45, 91.184, 328.861

## Background



This preview shows how black text looks on a background with the CIELCh color 45, 91.184, 328.861.



This preview shows how white text looks on a background with the CIELCh color 45, 91.184, 328.861.

# 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, 91.286, 328.864

### Protanopia

46, 68.926, 286.968

### Deuteranopia

46, 40.573, 279.717





**Tritanopia**  
45, 47.162, 23.709

# Trichromacy



**Original Color**  
45, 91.286, 328.864



**Protanomaly**  
38, 84.798, 301.374



**Deuteranomaly**  
40, 66.893, 308.761



**Tritanomaly**  
43, 59.661, 351.671

# Monochromacy



**Original Color**  
45, 91.286, 328.864



**Achromatopsia**  
34, 0.005, 296.813



**Achromatomaly**  
33, 46.739, 327.667

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 45, 91.184, 328.861 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, 2, 187)` looks like.

```
.text, #text, p{  
    color:rgb(190, 2, 187)  
}
```

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, 2, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 2, 187) }
```

## Border

The CSS property to change the border of an element to CIELCh 45, 91.184, 328.861 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, 2, 187) }
```

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

```
.border{ border-color:rgb(190, 2, 187) }
```

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

Here you see how a box with a 4 pixel rgb(190, 2, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 2, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 2, 187);  
box-shadow:4px 4px 4px 4px rgb(190, 2,  
187) }
```

# Background

The CSS property to change the background color of an element to CIELCh 45, 91.184, 328.861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 2, 187) }
```

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

```
.background{ background-color: rgb(190, 2,  
187) }
```

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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