

Converting Colors

CIELCh(45, 90.815, 327.545)

Have a look what the booklet for
CIELCh(45, 90.815, 327.545)
contains.

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Color

CIELCh(45, 90.705, 327.534)

Conversions

Conversions Part 1

Format	Color
Hex	BA10BD
RGB	186, 16, 189
RGB Percent	73%, 6%, 74%
CMY	0.2692, 0.9374, 0.2575
CMYK	0.02, 0.92, 0.00, 0.26
HSL	299°, 84%, 40%
HSV	299°, 92%, 74%
XYZ	29.7436, 14.5417, 49.5759
YIQ	86.5520, 45.7870, 89.8430

Conversions

Conversions Part 2

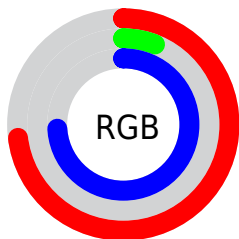
Format	Color
R_{YB}	186, 16, 189
Decimal	12193981
CIE _{Lab}	45.00, 76.53, -48.69
CIE _{LCh}	45, 90.705, 327.534
Yxy	14.5417, 0.3169, 0.1549
Android (android.graphics.Color)	4290384061 (0xFFBA10BD)
YUV	86.5520, 50.5069, 87.2159
Hunter-Lab	38.1336, 72.4933, -50.3870

Details

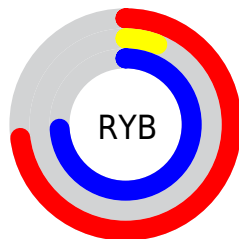
The CIELCh color **45, 90.705, 327.534** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **67, 93.544, 136.260**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 90.765, 327.556**, and **30, 72.238, 326.251** is the 20% darker color. If you saturate the color by 10%, you get **44, 92.457, 327.553**, and if you desaturate by 10%, it is **46, 86.928, 327.439**.

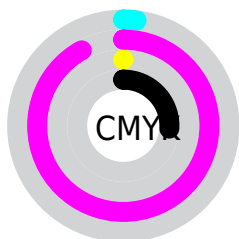
Distribution



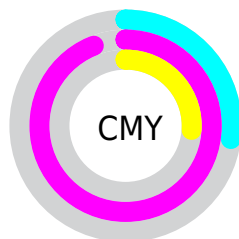
- Red (73%)
- Green (6%)
- Blue (74%)



- Red (73%)
- Yellow (6%)
- Blue (74%)



- Cyan (2%)
- Magenta (92%)
- Yellow (0%)
- Black (26%)





- Cyan (27%)
- Magenta (94%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 90.705, 327.534 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, 90.705, 327.534 by changing the saturation by 10% instead.


 45, 90.705,
327.534


 45, 90.705,
327.534


 100, 90.705,
327.534


 35, 90.705,
327.534

 65, 90.705,
327.534


 25, 90.705,
327.534

 75, 90.705,
327.534

 15, 90.705,
327.534

 85, 90.705,
327.534

 5, 90.705, 327.534

 95, 90.705,
327.534

 0, 90.705, 327.534

 45, 90.705,

 45, 90.705,

327.534

327.534

■ 44, 92.457,
327.553

■ 46, 86.928,
327.439

■ 48, 80.824,
327.242

■ 51, 72.585,
326.949

■ 54, 62.615,
326.573

■ 58, 51.395,
326.131

■ 62, 39.383,
325.642

■ 66, 26.961,
325.122

■ 71, 14.416,
324.584

Harmonies

Complementary

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



45, 90.705, 327.534



67, 93.544, 136.260

Rectangle

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



45, 90.705, 327.534



45, 90.705, 17.534



45, 90.705, 147.534



45, 90.705, 197.534

Sweetspot

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



45, 90.703, 327.534



81, 41.905, 325.430



25, 100.733, 305.003



42, 28.433, 325.607



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, 90.703, 327.534



58, 113.015, 327.542



42, 67.312, 355.975



37, 7.030, 324.462



37, 80.908, 327.563



3, 21.291, 324.709

Inverse Universe

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



40, 78.179, 36.957



52, 101.501, 39.509



68, 69.867, 149.323



37, 4.095, 18.527



32, 72.135, 38.975



3, 12.256, 18.414

Previews

White Background



This preview shows how the CIELCh color 45, 90.705, 327.534 looks on a white background.

Color Contrast Check

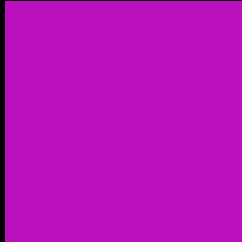
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.705, 327.534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

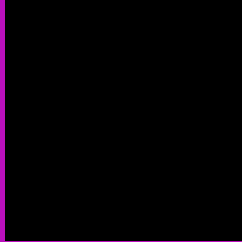
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 90.705, 327.534

Background



This preview shows how black text looks on a background with the CIELCh color 45, 90.705, 327.534.

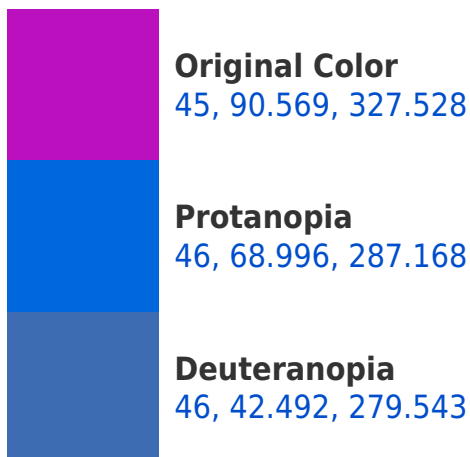


This preview shows how white text looks on a background with the CIELCh color 45, 90.705, 327.534.

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, 44.443, 22.936

Trichromacy



Original Color
45, 90.569, 327.528



Protanomaly
39, 82.360, 300.371



Deuteranomaly
40, 64.877, 306.339



Tritanomaly
43, 56.468, 350.250

Monochromacy



Original Color
45, 90.569, 327.528



Achromatopsia
37, 0.005, 296.813



Achromatomaly
36, 43.908, 326.504

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 90.705, 327.534 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(186, 16, 189)` looks like.

```
.text, #text, p{  
  color:rgb(186, 16, 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(186, 16, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 16, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 90.705, 327.534 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(186, 16, 189) }
```

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

```
.border{ border-color:rgb(186, 16, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 16, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 16, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 16, 189);  
box-shadow:4px 4px 4px 4px rgb(186, 16,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 90.705, 327.534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 16, 189) }
```

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

```
.background{ background-color: rgb(186, 16,  
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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