

Converting Colors

CIELCh(40, 112.961, 328.155)

Have a look what the booklet for
CIELCh(40, 112.961, 328.155)
contains.

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Color

CIELCh(45, 94.164, 327.416)

Conversions

Conversions Part 1

Format	Color
Hex	BD00C1
RGB	189, 0, 193
RGB Percent	74%, 0%, 76%
CMY	0.2598, 1.0000, 0.2438
CMYK	0.02, 1.00, 0.00, 0.24
HSL	299°, 100%, 38%
HSV	299°, 100%, 76%
XYZ	30.4895, 14.5417, 51.5545
YIQ	78.5130, 50.6910, 100.0910

Conversions

Conversions Part 2

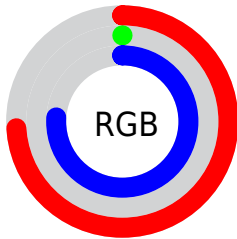
Format	Color
R_{YB}	189, 0, 193
Decimal	12386497
CIE Lab	45.00, 79.34, -50.71
CIE LCh	45, 94.164, 327.416
Yxy	14.5417, 0.3157, 0.1506
Android (android.graphics.Color)	4290576577 (0xFFBD00C1)
YUV	78.5130, 56.4421, 96.8971
Hunter-Lab	38.1336, 75.9847, -53.4633

Details

The CIELCh color **45, 94.164, 327.416** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as dark washed purple. A complement of this color would be **68, 96.959, 135.933**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 93.814, 327.422**, and **31, 73.394, 326.289** is the 20% darker color. If you saturate the color by 10%, you get **45, 93.744, 327.397**, and if you desaturate by 10%, it is **46, 91.542, 327.383**.

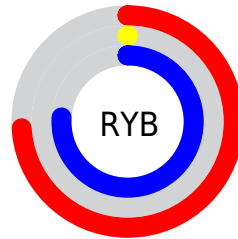
Distribution



Red (74%)

Green (0%)

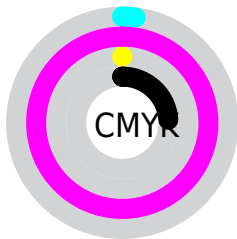
Blue (76%)



Red (74%)

Yellow (0%)

Blue (76%)

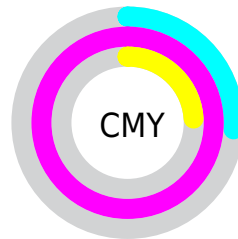


Cyan (2%)

Magenta (100%)

Yellow (0%)

Black (24%)



Cyan (26%)


Magenta (100%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 94.164, 327.416 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, 94.164, 327.416 by changing the saturation by 10% instead.


 45, 94.164,
327.416


 45, 94.164,
327.416


 100, 94.164,
327.416


 35, 94.164,
327.416

 65, 94.164,
327.416


 25, 94.164,
327.416

 75, 94.164,
327.416

 15, 94.164,
327.416

 85, 94.164,
327.416

 5, 94.164, 327.416

 95, 94.164,
327.416

 0, 94.164, 327.416

 45, 94.164,

 45, 94.164,

327.416

327.416

■ 45, 93.744,
327.397

■ 46, 91.542,
327.383

■ 47, 87.349,
327.282

■ 49, 80.797,
327.077

■ 52, 72.129,
326.775

■ 55, 61.779,
326.391

■ 59, 50.240,
325.943

■ 64, 37.967,
325.450

■ 68, 25.333,
324.929

■ 73, 12.616,
324.390

Harmonies

Complementary

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



45, 94.164, 327.416



68, 96.959, 135.933

Rectangle

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



45, 94.164, 327.416



45, 94.164, 17.416



45, 94.164, 147.416



45, 94.164, 197.416

Sweetspot

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



45, 93.744, 327.397



80, 46.854, 325.474



24, 106.955, 305.907



40, 31.882, 325.687



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, 93.744, 327.397



58, 113.919, 327.384



42, 69.140, 358.997



38, 7.178, 324.356



37, 81.881, 327.408



4, 23.954, 325.459

Inverse Universe

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



40, 83.807, 39.182



52, 102.149, 39.406



69, 74.745, 147.458



38, 4.187, 18.210



33, 72.893, 38.872



3, 14.006, 18.250

Previews

White Background



This preview shows how the CIELCh color 45, 94.164, 327.416 looks on a white background.

Color Contrast Check

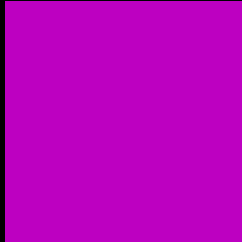
Large Text (above 18pt) WCAG AA ✓ Pass

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, 94.164, 327.416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

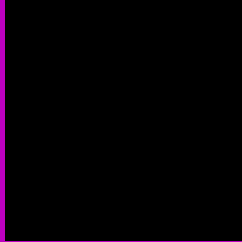
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 94.164, 327.416

Background



This preview shows how black text looks on a background with the CIELCh color 45, 94.164, 327.416.



This preview shows how white text looks on a background with the CIELCh color 45, 94.164, 327.416.

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, 93.802, 327.412

Protanopia

46, 69.473, 287.172

Deuteranopia

46, 43.106, 278.697



Tritanopia
46, 44.802, 22.965

Trichromacy



Original Color
45, 93.802, 327.412



Protanomaly
38, 86.481, 301.656



Deuteranomaly
40, 69.629, 307.239



Tritanomaly
43, 59.901, 349.418

Monochromacy



Original Color
45, 93.802, 327.412



Achromatopsia
33, 0.005, 296.813



Achromatomaly
33, 48.134, 326.402

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 94.164, 327.416 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, 0, 193)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 193)  
}
```

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, 0, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 94.164, 327.416 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, 0, 193) }
```

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

```
.border{ border-color:rgb(189, 0, 193) }
```

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

Here you see how a box with a 4 pixel rgb(189, 0, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 193);  
box-shadow:4px 4px 4px 4px rgb(189, 0,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 94.164, 327.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 193) }
```

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

```
.background{ background-color: rgb(189, 0,  
193) }
```

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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