

Converting Colors

CIELCh(45, 61.307, 351.204)

Have a look what the booklet for
CIELCh(45, 61.307, 351.204)
contains.

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Color

CIELCh(45, 61.316, 351.123)

Conversions

Conversions Part 1

Format	Color
Hex	BD327C
RGB	189, 50, 124
RGB Percent	74%, 20%, 49%
CMY	0.2590, 0.8041, 0.5139
CMYK	0.00, 0.74, 0.34, 0.26
HSL	328°, 58%, 47%
HSV	328°, 74%, 74%
XYZ	25.7455, 14.5417, 20.5028
YIQ	99.9970, 59.0900, 52.4820

Conversions

Conversions Part 2

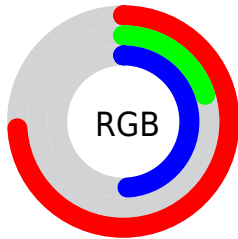
Format	Color
R_{YB}	189, 50, 124
Decimal	12399228
CIE _{Lab}	45.00, 60.58, -9.46
CIE _{LCh}	45, 61.316, 351.123
Yxy	14.5417, 0.4235, 0.2392
Android (android.graphics.Color)	4290589308 (0xFFBD327C)
YUV	99.9970, 11.8335, 78.0556
Hunter-Lab	38.1336, 53.7788, -5.1842

Details

The CIELCh color **45, 61.316, 351.123** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **68, 59.861, 153.021**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 61.565, 350.862**, and **28, 52.960, 354.241** is the 20% darker color. If you saturate the color by 10%, you get **43, 65.381, 353.603**, and if you desaturate by 10%, it is **48, 55.386, 349.140**.

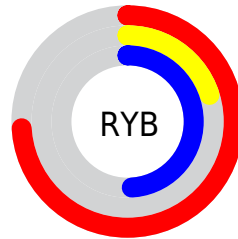
Distribution



Red (74%)

Green (20%)

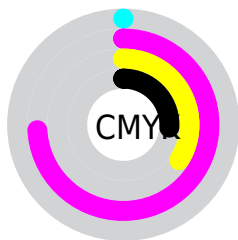
Blue (49%)



Red (74%)

Yellow (20%)

Blue (49%)

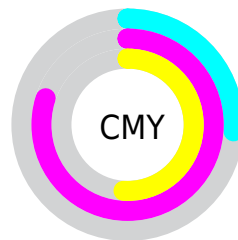


Cyan (0%)

Magenta (74%)

Yellow (34%)

Black (26%)



Cyan (26%)


Magenta (80%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 61.316, 351.123 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, 61.316, 351.123 by changing the saturation by 10% instead.


 45, 61.316,
351.123


 45, 61.316,
351.123


 100, 61.316,
351.123


 35, 61.316,
351.123


 65, 61.316,
351.123


 25, 61.316,
351.123

 75, 61.316,
351.123

 15, 61.316,
351.123

 85, 61.316,
351.123

 5, 61.316, 351.123

 95, 61.316,
351.123

 0, 61.316, 351.123

 45, 61.316,

 45, 61.316,

351.123

■ 43, 65.381,
353.603

■ 41, 67.440,
356.728

■ 41, 68.094,
359.021

351.123

■ 48, 55.386,
349.140

■ 51, 47.997,
347.519

■ 56, 39.612,
346.158

■ 60, 30.656,
344.987

■ 65, 21.458,
343.955

■ 70, 12.252,
343.025

■ 75, 3.186, 342.106

■ 80, 5.651, 161.533

■ 85, 14.216,
160.795

Harmonies

Complementary

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



45, 61.316, 351.123



68, 59.861, 153.021

Rectangle

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



45, 61.316, 351.123



45, 61.316, 41.123



45, 61.316, 171.123



45, 61.316, 221.123

Sweetspot

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



45, 61.313, 351.124



83, 24.705, 343.838



37, 82.673, 311.626



42, 16.620, 344.102



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, 61.313, 351.124



54, 81.168, 355.342



43, 63.110, 29.330



37, 5.091, 342.651



34, 59.780, 358.445



3, 14.215, 349.693

Inverse Universe

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



45, 61.313, 351.124



54, 81.168, 355.342



70, 37.488, 192.613



37, 5.091, 342.651



34, 59.780, 358.445



3, 14.215, 349.693

Previews

White Background



This preview shows how the CIELCh color 45, 61.316, 351.123 looks on a white background.

Color Contrast Check

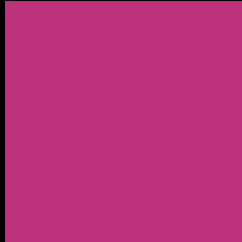
Large Text (above 18pt) WCAG AA ✓ Pass

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, 61.316, 351.123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

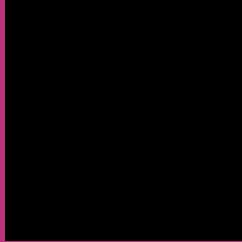
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 61.316, 351.123

Background



This preview shows how black text looks on a background with the CIELCh color 45, 61.316, 351.123.



This preview shows how white text looks on a background with the CIELCh color 45, 61.316, 351.123.

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, 61.316, 351.123

Protanopia

46, 33.524, 285.090

Deuteranopia

45, 8.593, 315.917



Tritanopia
45, 54.299, 26.430

Trichromacy



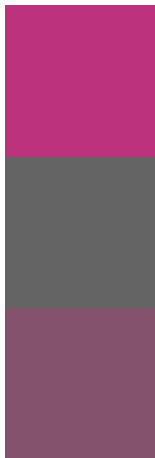
Original Color
45, 61.316, 351.123

Protanomaly
43, 39.650, 315.228

Deuteranomaly
43, 30.873, 340.424

Tritanomaly
45, 53.833, 12.568

Monochromacy



Original Color
45, 61.316, 351.123

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 25.919, 344.925

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 61.316, 351.123 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, 50, 124)` looks like.

```
.text, #text, p{  
    color:rgb(189, 50, 124)  
}
```

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, 50, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 50, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 61.316, 351.123 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, 50, 124) }
```

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

```
.border{ border-color:rgb(189, 50, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 50, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 50, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 50, 124);  
box-shadow:4px 4px 4px 4px rgb(189, 50,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 61.316, 351.123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 50, 124) }
```

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

```
.background{ background-color: rgb(189, 50,  
124) }
```

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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