

Converting Colors

CIELCh(45, 59.981, 0.837)

Have a look what the booklet for
CIELCh(45, 59.981, 0.837) contains.

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Color

CIELCh(45, 59.981, 0.837)

Conversions

Conversions Part 1

Format	Color
Hex	C0316B
RGB	192, 49, 107
RGB Percent	75%, 19%, 42%
CMY	0.2458, 0.8064, 0.5793
CMYK	0.00, 0.74, 0.44, 0.25
HSL	336°, 59%, 47%
HSV	336°, 74%, 75%
XYZ	25.6009, 14.5417, 15.4410
YIQ	98.3690, 66.6100, 48.3540

Conversions

Conversions Part 2

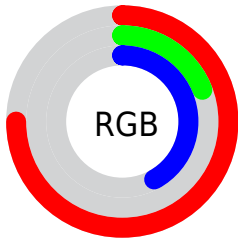
Format	Color
R_{YB}	192, 49, 107
Decimal	12595563
CIE _{Lab}	45.00, 59.97, 0.88
CIE _{LCh}	45, 59.981, 0.837
Yxy	14.5417, 0.4606, 0.2616
Android (android.graphics.Color)	4290785643 (0xFFC0316B)
YUV	98.3690, 4.2551, 82.1144
Hunter-Lab	38.1336, 53.1018, 2.6859

Details

The CIELCh color **45, 59.981, 0.837** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **70, 54.096, 159.769**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 60.262, 0.878**, and **28, 52.081, 5.279** is the 20% darker color. If you saturate the color by 10%, you get **43, 64.465, 4.291**, and if you desaturate by 10%, it is **48, 53.885, 358.116**.

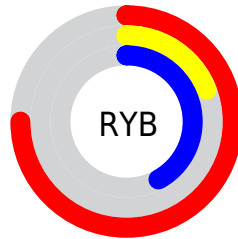
Distribution



Red (75%)

Green (19%)

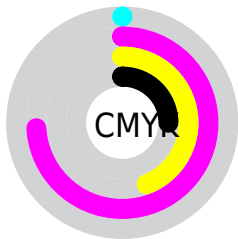
Blue (42%)



Red (75%)

Yellow (19%)

Blue (42%)

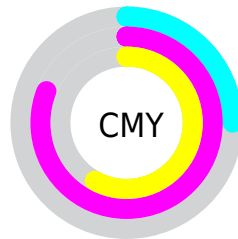


Cyan (0%)

Magenta (74%)

Yellow (44%)

Black (25%)



Cyan (25%)













Magenta (81%)








Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 59.981, 0.837 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, 59.981, 0.837 by changing the saturation by 10% instead.

 45, 59.981, 0.837	 45, 59.981, 0.837
 100, 59.981, 0.837	 35, 59.981, 0.837
 65, 59.981, 0.837	 25, 59.981, 0.837
 75, 59.981, 0.837	 15, 59.981, 0.837
 85, 59.981, 0.837	 5, 59.981, 0.837
 95, 59.981, 0.837	 0, 59.981, 0.837

 45, 59.981, 0.837	 45, 59.981, 0.837
 43, 64.465, 4.291	 48, 53.885, 358.116
 41, 67.300, 8.628	
 41, 68.555, 11.340	 52, 46.517, 355.949

■ 56, 38.304,
354.191

■ 60, 29.645,
352.729

■ 65, 20.849,
351.484

■ 70, 12.129,
350.396

■ 76, 3.614, 349.366

■ 81, 4.623, 168.732

■ 86, 12.552,
167.911

Harmonies

Complementary

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



45, 59.981, 0.837



70, 54.096, 159.769

Rectangle

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



45, 59.981, 0.837



45, 59.981, 50.837



45, 59.981, 180.837



45, 59.981, 230.837

Sweetspot

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



45, 59.978, 0.838



84, 23.264, 351.258



40, 83.980, 314.820



43, 15.675, 351.571



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, 59.978, 0.838



54, 80.813, 6.816



45, 63.219, 35.294



38, 4.791, 349.893



34, 59.927, 10.574



3, 15.130, 357.876

Inverse Universe

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



45, 59.978, 0.838



54, 80.813, 6.816



67, 34.265, 208.050



38, 4.791, 349.893



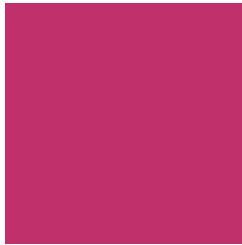
34, 59.927, 10.574



3, 15.130, 357.876

Previews

White Background



This preview shows how the CIELCh color 45, 59.981, 0.837 looks on a white background.

Color Contrast Check

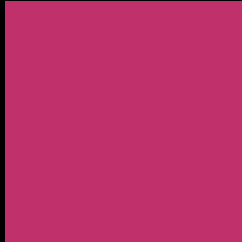
Large Text (above 18pt) WCAG AA ✓ Pass

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, 59.981, 0.837 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, 59.981, 0.837

Background



This preview shows how black text looks on a background with the CIELCh color 45, 59.981, 0.837.

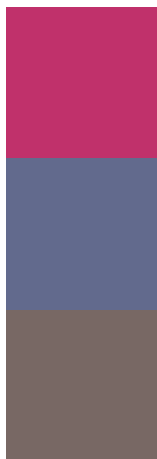


This preview shows how white text looks on a background with the CIELCh color 45, 59.981, 0.837.

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, 59.981, 0.837

Protanopia

45, 20.960, 285.354

Deuteranopia

45, 7.247, 39.175



Tritanopia
45, 58.572, 28.100

Trichromacy



Original Color
45, 59.981, 0.837

Protanomaly
43, 31.774, 328.138

Deuteranomaly
43, 28.243, 0.572

Tritanomaly
45, 57.409, 18.029

Monochromacy



Original Color
45, 59.981, 0.837

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 24.997, 353.308

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 59.981, 0.837 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(192, 49, 107)` looks like.

```
.text, #text, p{  
    color:rgb(192, 49, 107)  
}
```

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(192, 49, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 49, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 59.981, 0.837 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(192, 49, 107) }
```

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

```
.border{ border-color:rgb(192, 49, 107) }
```

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

Here you see how a box with a 4 pixel rgb(192, 49, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 49, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 49, 107);  
box-shadow:4px 4px 4px 4px rgb(192, 49,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 59.981, 0.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 49, 107) }
```

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

```
.background{ background-color: rgb(192, 49,  
107) }
```

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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