

Converting Colors

CIELCh(45, 59.317, 15.864)

Have a look what the booklet for
CIELCh(45, 59.317, 15.864) contains.

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Color

CIELCh(45, 59.054, 15.562)

Conversions

Conversions Part 1

Format	Color
Hex	C13553
RGB	193, 53, 83
RGB Percent	76%, 21%, 33%
CMY	0.2426, 0.7916, 0.6741
CMYK	0.00, 0.72, 0.57, 0.24
HSL	347°, 57%, 48%
HSV	347°, 72%, 76%
XYZ	24.8740, 14.5417, 9.7018
YIQ	98.2800, 73.8100, 39.0100

Conversions

Conversions Part 2

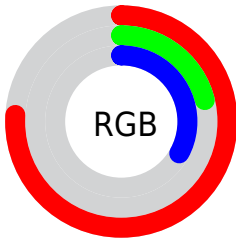
Format	Color
R_{YB}	193, 53, 83
Decimal	12662099
CIE _{Lab}	45.00, 56.89, 15.84
CIE _{LCh}	45, 59.054, 15.562
Yxy	14.5417, 0.5064, 0.2961
Android (android.graphics.Color)	4290852179 (0xFFC13553)
YUV	98.2800, -7.5330, 83.0694
Hunter-Lab	38.1336, 49.6993, 11.6092

Details

The CIELCh color **45, 59.054, 15.562** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **71, 44.013, 174.129**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 59.227, 15.737**, and **27, 53.775, 20.008** is the 20% darker color. If you saturate the color by 10%, you get **43, 65.579, 19.697**, and if you desaturate by 10%, it is **48, 51.555, 12.254**.

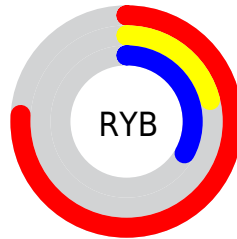
Distribution



Red (76%)

Green (21%)

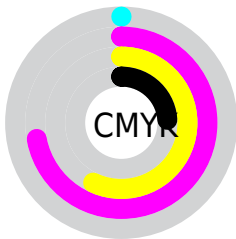
Blue (33%)



Red (76%)

Yellow (21%)

Blue (33%)

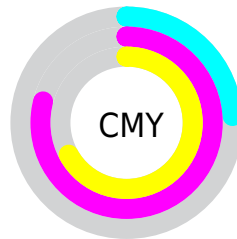


Cyan (0%)

Magenta (72%)

Yellow (57%)

Black (24%)



Cyan (24%)

Magenta (79%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 59.054, 15.562 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, 59.054, 15.562 by changing the saturation by 10% instead.

■ 45, 59.054, 15.562

■ 45, 59.054, 15.562

■ 100, 59.054,
15.562

■ 35, 59.054, 15.562

■ 65, 59.054, 15.562

■ 25, 59.054, 15.562

■ 75, 59.054, 15.562

■ 15, 59.054, 15.562

■ 85, 59.054, 15.562

■ 5, 59.054, 15.562

■ 95, 59.054, 15.562

■ 0, 59.054, 15.562

■ 45, 59.054, 15.562

■ 45, 59.054, 15.562

■ 43, 65.579, 19.697

■ 48, 51.555, 12.254

■ 41, 71.080, 24.651

■ 52, 43.361, 9.637

40, 74.838, 28.569

56, 34.807, 7.558

61, 26.201, 5.882

66, 17.762, 4.503

71, 9.627, 3.335

77, 1.867, 2.147

82, 5.495, 181.659

88, 12.464,
180.870

Harmonies

Complementary

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



45, 59.054, 15.562



71, 44.013, 174.129

Rectangle

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



45, 59.054, 15.562



45, 59.054, 65.562



45, 59.054, 195.562



45, 59.054, 245.562

Sweetspot

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



45, 59.051, 15.564



84, 21.420, 4.486



44, 82.240, 320.841



43, 14.477, 4.837



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, 59.051, 15.564



54, 83.663, 22.520



51, 55.405, 47.489



38, 4.351, 2.998



33, 64.849, 27.736



3, 14.326, 7.887

Inverse Universe

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



45, 59.051, 15.564



54, 83.663, 22.520



59, 32.793, 241.457



38, 4.351, 2.998



33, 64.849, 27.736



3, 14.326, 7.887

Previews

White Background



This preview shows how the CIELCh color 45, 59.054, 15.562 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, 59.054, 15.562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

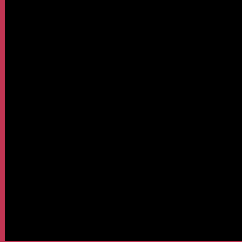
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 59.054, 15.562

Background



This preview shows how black text looks on a background with the CIELCh color 45, 59.054, 15.562.



This preview shows how white text looks on a background with the CIELCh color 45, 59.054, 15.562.

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, 59.054, 15.562

Protanopia

45, 1.457, 324.423

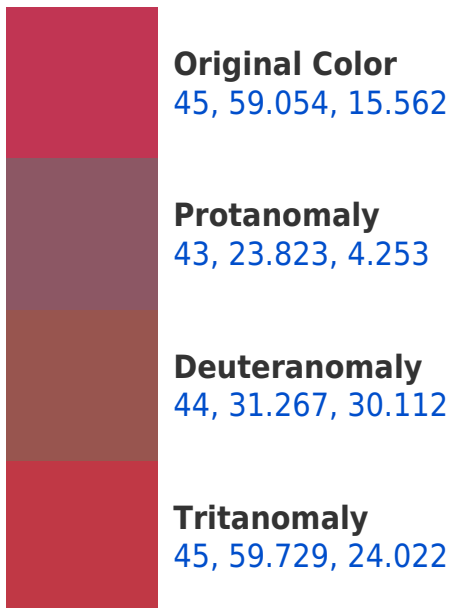
Deuteranopia

45, 19.935, 72.498

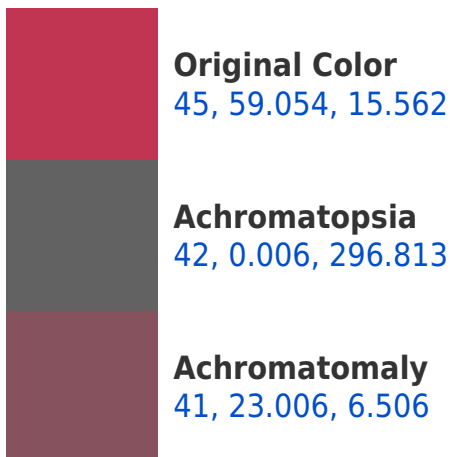


Tritanopia
45, 60.865, 28.791

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 59.054, 15.562 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(193, 53, 83)` looks like.

```
.text, #text, p{  
    color:rgb(193, 53, 83)  
}
```

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(193, 53, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 53, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 59.054, 15.562 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(193, 53, 83) }
```

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

```
.border{ border-color:rgb(193, 53, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 53, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 53, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 53, 83);  
box-shadow:4px 4px 4px 4px rgb(193, 53,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 59.054, 15.562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 53, 83) }
```

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

```
.background{ background-color: rgb(193, 53,  
83) }
```

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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