

Converting Colors

CIELCh(48, 59.442, 40.258)

Have a look what the booklet for
CIELCh(48, 59.442, 40.258) contains.

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Color

CIELCh(48, 59.571, 40.186)

Conversions

Conversions Part 1

Format	Color
Hex	C14C33
RGB	193, 76, 51
RGB Percent	76%, 30%, 20%
CMY	0.2424, 0.7013, 0.7994
CMYK	0.00, 0.61, 0.74, 0.24
HSL	11°, 58%, 48%
HSV	11°, 74%, 76%
XYZ	25.2378, 16.7945, 5.0600
YIQ	108.1330, 77.7570, 17.0290

Conversions

Conversions Part 2

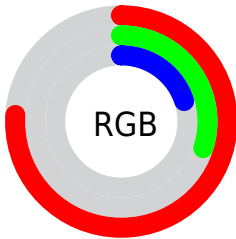
Format	Color
R_{YB}	193, 81, 51
Decimal	12667955
CIE Lab	48.00, 45.51, 38.44
CIE LCh	48, 59.571, 40.186
Yxy	16.7945, 0.5359, 0.3566
Android (android.graphics.Color)	4290858035 (0xFFC14C33)
YUV	108.1330, -28.1666, 74.4284
Hunter-Lab	40.9810, 38.2106, 21.3660

Details

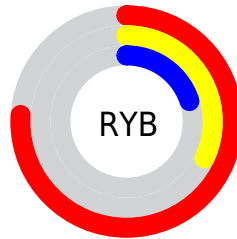
The CIELCh color **48, 59.571, 40.186** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **64, 32.375, 223.072**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 59.442, 40.066**, and **28, 59.517, 40.159** is the 20% darker color. If you saturate the color by 10%, you get **45, 68.957, 41.447**, and if you desaturate by 10%, it is **51, 49.962, 39.010**.

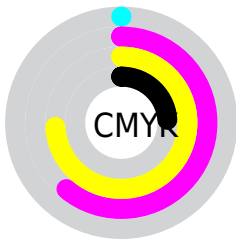
Distribution



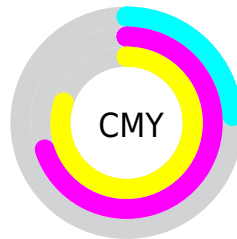
- Red (76%)
- Green (30%)
- Blue (20%)



- Red (76%)
- Yellow (32%)
- Blue (20%)



- Cyan (0%)
- Magenta (61%)
- Yellow (74%)
- Black (24%)



- Cyan (24%)
- Magenta (70%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 59.571, 40.186 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 48, 59.571, 40.186 by changing the saturation by 10% instead.

■ 48, 59.571, 40.186

■ 48, 59.571, 40.186

■ 100, 59.571,
40.186

■ 38, 59.571, 40.186

■ 68, 59.571, 40.186

■ 28, 59.571, 40.186

■ 78, 59.571, 40.186

■ 18, 59.571, 40.186

■ 88, 59.571, 40.186

■ 8, 59.571, 40.186

■ 98, 59.571, 40.186

■ 0, 59.571, 40.186

■ 48, 59.571, 40.186

■ 48, 59.571, 40.186

■ 45, 68.957, 41.447

■ 51, 49.962, 39.010

■ 43, 77.064, 42.306

■ 55, 40.620, 38.074

42, 81.384, 42.745

59, 31.761, 37.402

63, 23.481, 36.966

67, 15.805, 36.722

72, 8.717, 36.616

77, 2.181, 36.474

81, 3.853, 216.988

86, 9.437, 217.102

Harmonies

Complementary

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



48, 59.571, 40.186



64, 32.375, 223.072

Rectangle

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



48, 59.571, 40.186



48, 59.571, 90.186



48, 59.571, 220.186



48, 59.571, 270.186

Sweetspot

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



48, 59.569, 40.189



86, 18.125, 36.703



48, 74.620, 334.148



44, 12.315, 36.749



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48, 59.569, 40.189



57, 89.748, 42.047



63, 55.246, 80.982



38, 3.601, 36.592



35, 70.611, 42.991



4, 12.571, 30.201

Inverse Universe

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



64, 32.375, 223.072



78, 42.041, 227.074



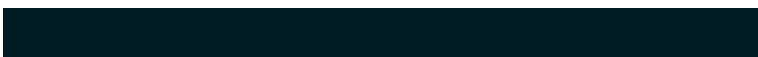
43, 56.920, 287.329



40, 3.395, 217.006



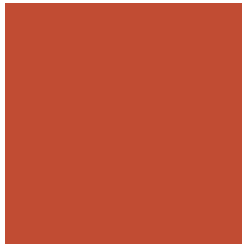
51, 30.845, 229.955



8, 10.502, 222.871

Previews

White Background



This preview shows how the CIELCh color 48, 59.571, 40.186 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 48, 59.571, 40.186 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 48, 59.571, 40.186

Background



This preview shows how black text looks on a background with the CIELCh color 48, 59.571, 40.186.



This preview shows how white text looks on a background with the CIELCh color 48, 59.571, 40.186.

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

48, 59.571, 40.186

Protanopia

48, 30.332, 96.325

Deuteranopia

48, 40.807, 81.071



Tritanopia
48, 54.105, 25.777

Trichromacy



Original Color
48, 59.571, 40.186

Protanomaly
47, 34.952, 64.230

Deuteranomaly
47, 44.192, 60.859

Tritanomaly
48, 55.749, 31.202

Monochromacy



Original Color
48, 59.571, 40.186

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 20.315, 36.781

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 59.571, 40.186 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, 76, 51)` looks like.

```
.text, #text, p{  
    color:rgb(193, 76, 51)  
}
```

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, 76, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 76, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 59.571, 40.186 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, 76, 51) }
```

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

```
.border{ border-color:rgb(193, 76, 51) }
```

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

Here you see how a box with a 4 pixel rgb(193, 76, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 76, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 76, 51);  
box-shadow:4px 4px 4px 4px rgb(193, 76,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 59.571, 40.186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 76, 51) }
```

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

```
.background{ background-color: rgb(193, 76,  
51) }
```

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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