

Converting Colors

CIELCh(47, 63.424, 33.329)

Have a look what the booklet for
CIELCh(47, 63.424, 33.329) contains.

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Color

CIELCh(47, 63.519, 33.418)

Conversions

Conversions Part 1

Format	Color
Hex	C74038
RGB	199, 64, 56
RGB Percent	78%, 25%, 22%
CMY	0.2208, 0.7501, 0.7813
CMYK	0.00, 0.68, 0.72, 0.22
HSL	3°, 56%, 50%
HSV	3°, 72%, 78%
XYZ	25.9987, 16.0195, 5.4347
YIQ	103.4530, 83.0280, 26.1320

Conversions

Conversions Part 2

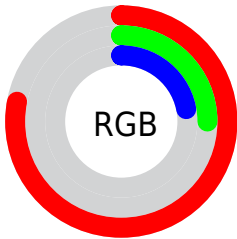
Format	Color
RYB	199, 64, 56
Decimal	13058104
CIELab	47.00, 53.02, 34.98
CIElCh	47, 63.519, 33.418
Yxy	16.0195, 0.5479, 0.3376
Android (android.graphics.Color)	4291248184 (0xFFC74038)
YUV	103.4530, -23.3943, 83.7947
Hunter-Lab	40.0243, 45.9061, 19.9663

Details

The CIELCh color **47, 63.519, 33.418** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **71, 35.582, 203.897**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 60.591, 33.288**, and **28, 62.203, 34.993** is the 20% darker color. If you saturate the color by 10%, you get **44, 73.049, 36.215**, and if you desaturate by 10%, it is **50, 53.549, 30.970**.

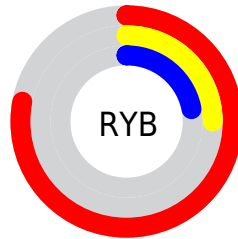
Distribution



Red (78%)

Green (25%)

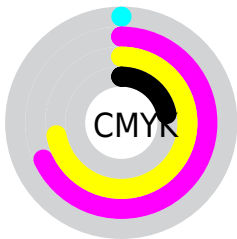
Blue (22%)



Red (78%)

Yellow (25%)

Blue (22%)

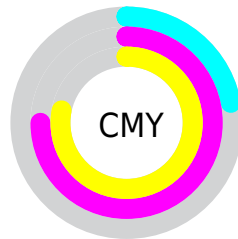


Cyan (0%)

Magenta (68%)

Yellow (72%)

Black (22%)



Cyan (22%)

Magenta (75%)

Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 63.519, 33.418 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 47, 63.519, 33.418 by changing the saturation by 10% instead.

 47, 63.519, 33.418

 47, 63.519, 33.418

 100, 63.519,
33.418

 37, 63.519, 33.418

 67, 63.519, 33.418

 27, 63.519, 33.418

 77, 63.519, 33.418

 17, 63.519, 33.418

 87, 63.519, 33.418

 7, 63.519, 33.418

 97, 63.519, 33.418

 0, 63.519, 33.418

 47, 63.519, 33.418

 47, 63.519, 33.418

 44, 73.049, 36.215

 50, 53.549, 30.970

 43, 81.141, 38.818

 54, 43.631, 28.998

42, 85.915, 40.536

59, 34.045, 27.475

64, 24.965, 26.321

69, 16.478, 25.454

74, 8.608, 24.790

79, 1.336, 23.975

84, 5.377, 204.153

90, 11.585,
203.854

Harmonies

Complementary

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



47, 63.519, 33.418



71, 35.582, 203.897

Rectangle

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



47, 63.519, 33.418



47, 63.519, 83.418



47, 63.519, 213.418



47, 63.519, 263.418

Sweetspot

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



47, 63.516, 33.421



86, 20.276, 25.484



50, 81.511, 329.494



44, 13.775, 25.701



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 63.516, 33.421



56, 93.702, 37.690



61, 53.500, 70.831



39, 4.054, 24.639



34, 73.886, 40.515



4, 15.344, 22.397

Inverse Universe

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



71, 35.582, 203.897



88, 45.793, 204.738



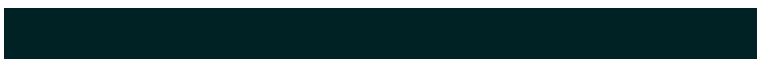
50, 47.269, 277.303



41, 3.817, 204.070



58, 33.378, 205.606



11, 12.252, 203.444

Previews

White Background



This preview shows how the CIELCh color 47, 63.519, 33.418 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 47, 63.519, 33.418 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 47, 63.519, 33.418

Background



This preview shows how black text looks on a background with the CIELCh color 47, 63.519, 33.418.



This preview shows how white text looks on a background with the CIELCh color 47, 63.519, 33.418.

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](#).

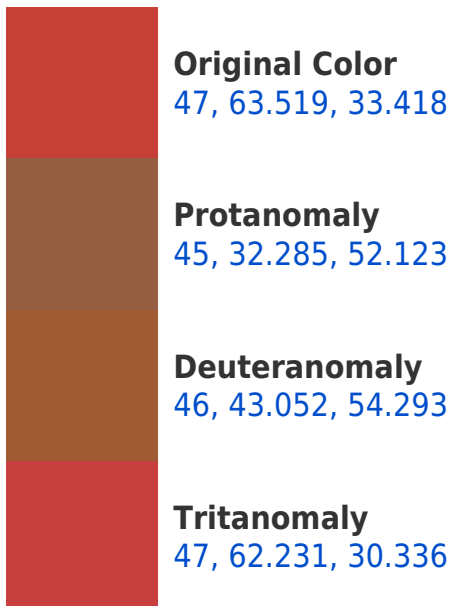
Dichromacy



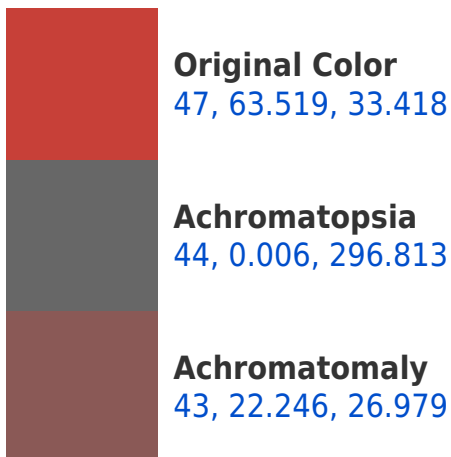


Tritanopia
47, 61.560, 28.074

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 63.519, 33.418 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(199, 64, 56)` looks like.

```
.text, #text, p{  
    color:rgb(199, 64, 56)  
}
```

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(199, 64, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 64, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 63.519, 33.418 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(199, 64, 56) }
```

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

```
.border{ border-color:rgb(199, 64, 56) }
```

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

Here you see how a box with a 4 pixel rgb(199, 64, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 64, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 64, 56);  
box-shadow:4px 4px 4px 4px rgb(199, 64,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 63.519, 33.418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 64, 56) }
```

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

```
.background{ background-color: rgb(199, 64,  
56) }
```

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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