

Converting Colors

CIELCh(49, 54.583, 38.441)

Have a look what the booklet for
CIELCh(49, 54.583, 38.441) contains.

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Color

CIELCh(49, 54.688, 38.489)

Conversions

Conversions Part 1

Format	Color
Hex	C0523D
RGB	192, 82, 61
RGB Percent	75%, 32%, 24%
CMY	0.2468, 0.6782, 0.7606
CMYK	0.00, 0.57, 0.68, 0.25
HSL	10°, 52%, 50%
HSV	10°, 68%, 75%
XYZ	25.6182, 17.5941, 6.4671
YIQ	112.4960, 72.3010, 16.7890

Conversions

Conversions Part 2

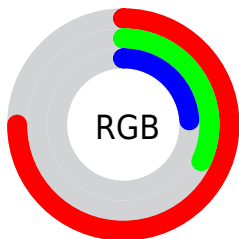
Format	Color
R_{YB}	192, 86, 61
Decimal	12603965
CIE _{Lab}	49.00, 42.81, 34.04
CIE _{LCh}	49, 54.688, 38.489
Yxy	17.5941, 0.5157, 0.3542
Android (android.graphics.Color)	4290794045 (0xFFC0523D)
YUV	112.4960, -25.3875, 69.7250
Hunter-Lab	41.9453, 35.6150, 20.2205

Details

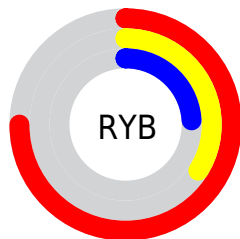
The CIELCh color **49, 54.688, 38.489** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **65, 31.245, 219.434**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 54.488, 38.784**, and **29, 54.539, 38.528** is the 20% darker color. If you saturate the color by 10%, you get **46, 64.262, 39.925**, and if you desaturate by 10%, it is **52, 45.172, 37.278**.

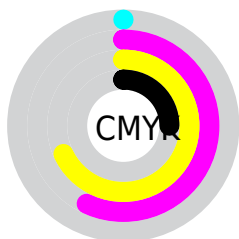
Distribution



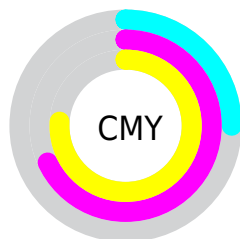
- Red (75%)
- Green (32%)
- Blue (24%)



- Red (75%)
- Yellow (34%)
- Blue (24%)



- Cyan (0%)
- Magenta (57%)
- Yellow (68%)
- Black (25%)



- Cyan (25%)
- Magenta (68%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 54.688, 38.489 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 49, 54.688, 38.489 by changing the saturation by 10% instead.

 49, 54.688, 38.489

 49, 54.688, 38.489

 100, 54.688,
38.489

 39, 54.688, 38.489

 69, 54.688, 38.489

 29, 54.688, 38.489

 79, 54.688, 38.489

 19, 54.688, 38.489

 89, 54.688, 38.489

 9, 54.688, 38.489

 99, 54.688, 38.489

 0, 54.688, 38.489

 49, 54.688, 38.489

 49, 54.688, 38.489

 46, 64.262, 39.925

 52, 45.172, 37.278

 44, 73.197, 41.291

 56, 36.042, 36.353

42, 80.283, 42.103

60, 27.445, 35.700

42, 81.489, 42.350

65, 19.442, 35.274

69, 12.039, 35.025

74, 5.210, 34.879

79, 1.089, 215.492

83, 6.908, 215.180

88, 12.300,
215.306

Harmonies

Complementary

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



49, 54.688, 38.489



65, 31.245, 219.434

Rectangle

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



49, 54.688, 38.489



49, 54.688, 88.489



49, 54.688, 218.489



49, 54.688, 268.489

Sweetspot

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



49, 54.686, 38.492



87, 16.513, 35.066



49, 71.660, 333.084



45, 11.398, 35.130



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



49, 54.686, 38.492



58, 84.059, 40.662



63, 50.967, 80.419



38, 3.639, 34.896



35, 71.014, 42.546



4, 12.679, 29.138

Inverse Universe

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



65, 31.245, 219.434



80, 41.369, 222.417



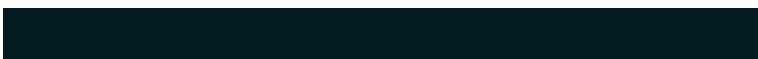
46, 50.933, 284.343



40, 3.429, 215.171



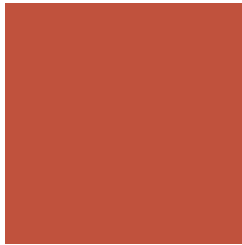
52, 30.823, 226.544



8, 10.605, 219.992

Previews

White Background



This preview shows how the CIELCh color 49, 54.688, 38.489 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 49, 54.688, 38.489 looks on a black 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

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

CIELCh 49, 54.688, 38.489

Background



This preview shows how black text looks on a background with the CIELCh color 49, 54.688, 38.489.



This preview shows how white text looks on a background with the CIELCh color 49, 54.688, 38.489.

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

49, 54.688, 38.489

Protanopia

49, 25.910, 95.519

Deuteranopia

49, 36.456, 79.158



Tritanopia
49, 50.543, 24.089

Trichromacy



Original Color
49, 54.688, 38.489

Protanomaly
48, 30.920, 61.474

Deuteranomaly
48, 40.279, 58.765

Tritanomaly
49, 51.752, 29.424

Monochromacy



Original Color
49, 54.688, 38.489

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 18.494, 36.044

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 54.688, 38.489 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, 82, 61)` looks like.

```
.text, #text, p{  
    color:rgb(192, 82, 61)  
}
```

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, 82, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 82, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 54.688, 38.489 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, 82, 61) }
```

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

```
.border{ border-color:rgb(192, 82, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 82, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 82, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 82, 61);  
box-shadow:4px 4px 4px 4px rgb(192, 82,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 54.688, 38.489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 82, 61) }
```

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

```
.background{ background-color: rgb(192, 82,  
61) }
```

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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