

Converting Colors

CIELCh(49, 38.683, 31.767)

Have a look what the booklet for
CIELCh(49, 38.683, 31.767) contains.

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Color

CIELCh(49, 38.554, 31.902)

Conversions

Conversions Part 1

Format	Color
Hex	B05D54
RGB	176, 93, 84
RGB Percent	69%, 36%, 33%
CMY	0.3113, 0.6365, 0.6718
CMYK	0.00, 0.47, 0.52, 0.31
HSL	6°, 37%, 51%
HSV	6°, 52%, 69%
XYZ	23.2947, 17.5941, 10.4930
YIQ	116.7910, 52.3570, 14.7970

Conversions

Conversions Part 2

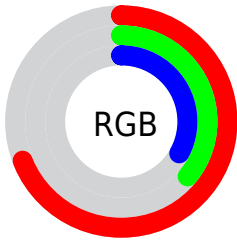
Format	Color
RYB	176, 94, 84
Decimal	11558228
CIELab	49.00, 32.73, 20.37
CIElCh	49, 38.554, 31.902
Yxy	17.5941, 0.4534, 0.3424
Android (android.graphics.Color)	4289748308 (0xFFB05D54)
YUV	116.7910, -16.1660, 51.9263
Hunter-Lab	41.9453, 25.7275, 14.5298

Details

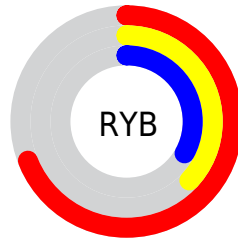
The CIELCh color **49, 38.554, 31.902** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **64, 25.788, 208.689**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 38.556, 31.731**, and **29, 38.305, 31.909** is the 20% darker color. If you saturate the color by 10%, you get **45, 47.412, 33.488**, and if you desaturate by 10%, it is **53, 30.071, 30.695**.

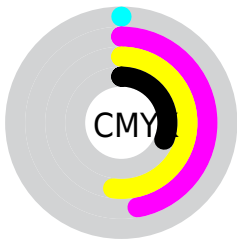
Distribution



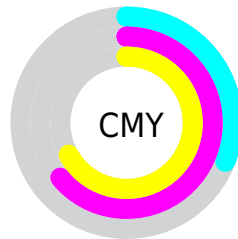
- Red (69%)
- Green (36%)
- Blue (33%)



- Red (69%)
- Yellow (37%)
- Blue (33%)



- Cyan (0%)
- Magenta (47%)
- Yellow (52%)
- Black (31%)



- Cyan (31%)
- Magenta (64%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 38.554, 31.902 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, 38.554, 31.902 by changing the saturation by 10% instead.

■ 49, 38.554, 31.902

■ 49, 38.554, 31.902

■ 100, 38.554,
31.902

■ 39, 38.554, 31.902

■ 69, 38.554, 31.902

■ 29, 38.554, 31.902

■ 79, 38.554, 31.902

■ 19, 38.554, 31.902

■ 89, 38.554, 31.902

■ 9, 38.554, 31.902

■ 99, 38.554, 31.902

■ 0, 38.554, 31.902

■ 49, 38.554, 31.902

■ 49, 38.554, 31.902

■ 45, 47.412, 33.488

■ 53, 30.071, 30.695

■ 42, 56.430, 35.457

■ 57, 22.087, 29.797

40, 65.192, 37.688

61, 14.652, 29.146

38, 72.820, 39.719

66, 7.771, 28.669

37, 77.559, 41.184

71, 1.418, 28.080

75, 4.448, 208.364

80, 9.874, 208.200

85, 14.908,
208.143

89, 19.598,
208.142

Harmonies

Complementary

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



49, 38.554, 31.902



64, 25.788, 208.689

Rectangle

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



49, 38.554, 31.902



49, 38.554, 81.902



49, 38.554, 211.902



49, 38.554, 261.902

Sweetspot

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



49, 38.552, 31.906



82, 12.721, 28.841



50, 56.654, 329.705



42, 8.650, 28.936



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



49, 38.552, 31.906



58, 59.853, 33.809



60, 35.040, 76.930



34, 3.483, 28.542



31, 68.618, 41.000



2, 7.224, 26.597

Inverse Universe

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



64, 25.788, 208.689



80, 35.830, 209.357



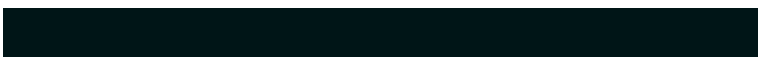
51, 32.650, 273.850



36, 3.283, 208.304



52, 30.199, 213.433



5, 6.877, 212.727

Previews

White Background



This preview shows how the CIELCh color 49, 38.554, 31.902 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 CIE LCh color 49, 38.554, 31.902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

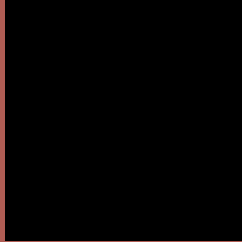
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 38.554, 31.902

Background



This preview shows how black text looks on a background with the CIELCh color 49, 38.554, 31.902.



This preview shows how white text looks on a background with the CIELCh color 49, 38.554, 31.902.

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, 38.554, 31.902

Protanopia

49, 13.747, 95.565

Deuteranopia

49, 22.896, 73.571



Tritanopia
49, 37.658, 19.633

Trichromacy



Original Color
49, 38.554, 31.902

Protanomaly
49, 19.172, 53.759

Deuteranomaly
49, 26.725, 52.528

Tritanomaly
49, 37.866, 24.623

Monochromacy



Original Color
49, 38.554, 31.902

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 13.151, 31.061

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 38.554, 31.902 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(176, 93, 84)` looks like.

```
.text, #text, p{  
    color:rgb(176, 93, 84)  
}
```

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(176, 93, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 93, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 38.554, 31.902 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(176, 93, 84) }
```

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

```
.border{ border-color:rgb(176, 93, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 93, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 93, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 93, 84);  
box-shadow:4px 4px 4px 4px rgb(176, 93,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 38.554, 31.902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 93, 84) }
```

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

```
.background{ background-color: rgb(176, 93,  
84) }
```

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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