

Converting Colors

CIELCh(49, 38.352, 18.221)

Have a look what the booklet for
CIELCh(49, 38.352, 18.221) contains.

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Color

CIELCh(49, 38.408, 18.236)

Conversions

Conversions Part 1

Format	Color
Hex	B25A62
RGB	178, 90, 98
RGB Percent	70%, 35%, 38%
CMY	0.3029, 0.6478, 0.6164
CMYK	0.00, 0.49, 0.45, 0.30
HSL	355°, 36%, 52%
HSV	355°, 49%, 70%
XYZ	24.1420, 17.5941, 13.6308
YIQ	117.2240, 49.8800, 21.1440

Conversions

Conversions Part 2

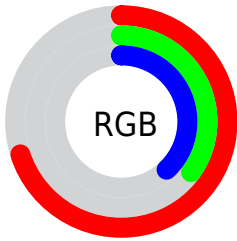
Format	Color
R_{YB}	178, 90, 98
Decimal	11688546
CIE Lab	49.00, 36.48, 12.02
CIE LCh	49, 38.408, 18.236
Yxy	17.5941, 0.4360, 0.3178
Android (android.graphics.Color)	4289878626 (0xFFB25A62)
YUV	117.2240, -9.4774, 53.3006
Hunter-Lab	41.9453, 29.3330, 10.0945

Details

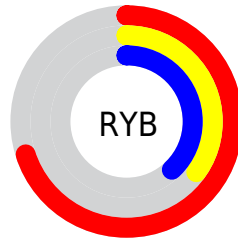
The CIELCh color **49, 38.408, 18.236** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **67, 28.696, 188.134**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 38.627, 17.869**, and **29, 38.493, 18.146** is the 20% darker color. If you saturate the color by 10%, you get **45, 46.886, 20.673**, and if you desaturate by 10%, it is **53, 29.960, 16.326**.

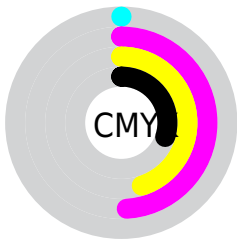
Distribution



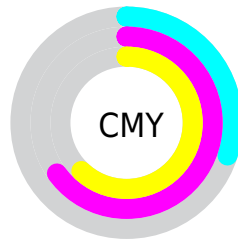
- Red (70%)
- Green (35%)
- Blue (38%)



- Red (70%)
- Yellow (35%)
- Blue (38%)



- Cyan (0%)
- Magenta (49%)
- Yellow (45%)
- Black (30%)



- Cyan (30%)
- Magenta (65%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 38.408, 18.236 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, 38.408, 18.236 by changing the saturation by 10% instead.

■ 49, 38.408, 18.236

■ 49, 38.408, 18.236

■ 100, 38.408,
18.236

■ 39, 38.408, 18.236

■ 69, 38.408, 18.236

■ 29, 38.408, 18.236

■ 79, 38.408, 18.236

■ 19, 38.408, 18.236

■ 89, 38.408, 18.236

■ 9, 38.408, 18.236

■ 99, 38.408, 18.236

■ 0, 38.408, 18.236

■ 49, 38.408, 18.236

■ 49, 38.408, 18.236

■ 45, 46.886, 20.673

■ 53, 29.960, 16.326

■ 42, 55.130, 23.751

■ 58, 21.760, 14.812

40, 62.856, 27.529

63, 13.941, 13.595

38, 69.791, 31.861

68, 6.567, 12.579

37, 75.661, 36.001

73, 0.343, 193.285

37, 75.941, 36.170

78, 6.803, 191.247

83, 12.845,
190.640

88, 18.506,
190.135

94, 23.825,
189.699

Harmonies

Complementary

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



49, 38.408, 18.236



67, 28.696, 188.134

Rectangle

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



49, 38.408, 18.236



49, 38.408, 68.236



49, 38.408, 198.236



49, 38.408, 248.236

Sweetspot

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



49, 38.406, 18.239



83, 13.147, 13.148



51, 56.521, 323.966



43, 9.104, 13.365



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



49, 38.406, 18.239



58, 57.787, 20.823



57, 31.802, 59.141



35, 3.933, 12.563



31, 67.559, 35.632



2, 9.216, 13.578

Inverse Universe

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



49, 38.406, 18.239



58, 57.787, 20.823



57, 25.076, 252.221



35, 3.933, 12.563



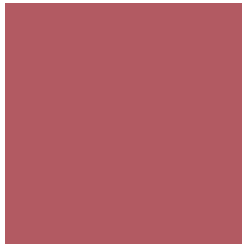
31, 67.559, 35.632



2, 9.216, 13.578

Previews

White Background



This preview shows how the CIELCh color 49, 38.408, 18.236 looks on a white background.

Color Contrast Check

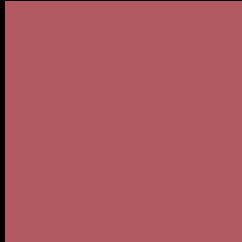
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.408, 18.236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

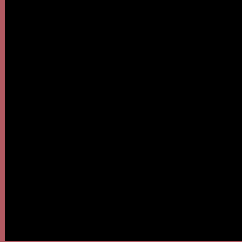
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 38.408, 18.236

Background



This preview shows how black text looks on a background with the CIELCh color 49, 38.408, 18.236.



This preview shows how white text looks on a background with the CIELCh color 49, 38.408, 18.236.

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, 38.408, 18.236

Protanopia

49, 3.346, 80.223

Deuteranopia

49, 15.069, 64.049



Tritanopia
49, 38.580, 19.934

Trichromacy



Original Color
49, 38.408, 18.236

Protanomaly
48, 14.987, 21.237

Deuteranomaly
49, 21.726, 35.638

Tritanomaly
49, 38.489, 19.087

Monochromacy



Original Color
49, 38.408, 18.236

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 13.609, 13.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 38.408, 18.236 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(178, 90, 98)` looks like.

```
.text, #text, p{  
    color:rgb(178, 90, 98)  
}
```

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(178, 90, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 90, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 38.408, 18.236 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(178, 90, 98) }
```

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

```
.border{ border-color:rgb(178, 90, 98) }
```

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

Here you see how a box with a 4 pixel rgb(178, 90, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 90, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 90, 98);  
box-shadow:4px 4px 4px 4px rgb(178, 90,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 38.408, 18.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 90, 98) }
```

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

```
.background{ background-color: rgb(178, 90,  
98) }
```

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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