

Converting Colors

CIELCh(49, 51.516, 27.606)

Have a look what the booklet for
CIELCh(49, 51.516, 27.606) contains.

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Color

CIELCh(49, 51.438, 27.166)

Conversions

Conversions Part 1

Format	Color
Hex	C14F4F
RGB	193, 79, 79
RGB Percent	76%, 31%, 31%
CMY	0.2417, 0.6889, 0.6891
CMYK	0.00, 0.59, 0.59, 0.24
HSL	0°, 48%, 53%
HSV	0°, 59%, 76%
XYZ	26.3285, 17.5941, 9.4609
YIQ	113.0860, 67.9440, 24.1680

Conversions

Conversions Part 2

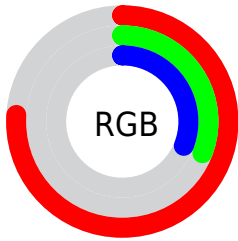
Format	Color
R _Y B	193, 79, 79
Decimal	12668751
CIE Lab	49.00, 45.76, 23.49
CIE LCh	49, 51.438, 27.166
Yxy	17.5941, 0.4932, 0.3296
Android (android.graphics.Color)	4290858831 (0xFFC14F4F)
YUV	113.0860, -16.8044, 70.0846
Hunter-Lab	41.9453, 38.6379, 15.9886

Details

The CIELCh color **49, 51.438, 27.166** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **72, 33.193, 196.960**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 51.558, 27.147**, and **29, 51.465, 26.906** is the 20% darker color. If you saturate the color by 10%, you get **46, 61.166, 30.039**, and if you desaturate by 10%, it is **53, 41.659, 24.895**.

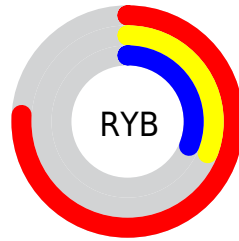
Distribution



Red (76%)

Green (31%)

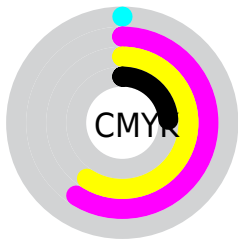
Blue (31%)



Red (76%)

Yellow (31%)

Blue (31%)

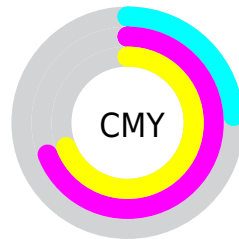


Cyan (0%)

Magenta (59%)

Yellow (59%)

Black (24%)



Cyan (24%)

Magenta (69%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 51.438, 27.166 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, 51.438, 27.166 by changing the saturation by 10% instead.

■ 49, 51.438, 27.166

■ 49, 51.438, 27.166

■ 100, 51.438,
27.166

■ 39, 51.438, 27.166

■ 69, 51.438, 27.166

■ 29, 51.438, 27.166

■ 79, 51.438, 27.166

■ 19, 51.438, 27.166

■ 89, 51.438, 27.166

■ 9, 51.438, 27.166

■ 99, 51.438, 27.166

■ 0, 51.438, 27.166

■ 49, 51.438, 27.166

■ 49, 51.438, 27.166

■ 46, 61.166, 30.039

■ 53, 41.659, 24.895

■ 43, 70.437, 33.444

■ 58, 32.132, 23.140

41, 78.511, 36.947

63, 23.055, 21.794

40, 84.324, 39.712

68, 14.539, 20.755

40, 84.920, 40.004

73, 6.621, 19.920

79, 0.710, 200.145

84, 7.489, 198.975

90, 13.770,
198.558

96, 19.607,
198.239

Harmonies

Complementary

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



49, 51.438, 27.166



72, 33.193, 196.960

Rectangle

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



49, 51.438, 27.166



49, 51.438, 77.166



49, 51.438, 207.166



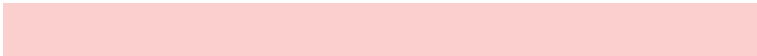
49, 51.438, 257.166

Sweetspot

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



49, 51.436, 27.169



87, 17.060, 20.690



53, 71.523, 327.393



45, 12.090, 20.968



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 51.436, 27.169



58, 78.403, 31.062



61, 41.961, 68.029



38, 4.186, 19.949



33, 73.723, 39.728



3, 13.996, 19.425

Inverse Universe

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



72, 33.193, 196.960



91, 45.337, 196.684



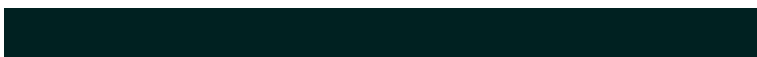
55, 35.382, 267.543



40, 3.948, 199.012



60, 35.456, 196.441



11, 12.439, 196.435

Previews

White Background



This preview shows how the CIELCh color 49, 51.438, 27.166 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, 51.438, 27.166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

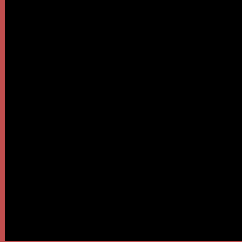
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 51.438, 27.166

Background



This preview shows how black text looks on a background with the CIELCh color 49, 51.438, 27.166.



This preview shows how white text looks on a background with the CIELCh color 49, 51.438, 27.166.

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, 51.438, 27.166

Protanopia

49, 13.180, 95.118

Deuteranopia

49, 26.170, 76.214



Tritanopia
49, 50.964, 24.178

Trichromacy



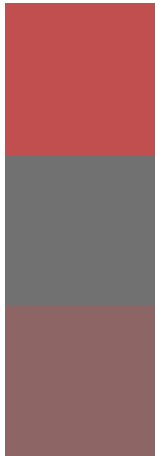
Original Color
49, 51.438, 27.166

Protanomaly
48, 22.621, 42.626

Deuteranomaly
48, 32.053, 47.666

Tritanomaly
49, 51.304, 25.412

Monochromacy



Original Color
49, 51.438, 27.166

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 17.799, 21.673

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 51.438, 27.166 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, 79, 79)` looks like.

```
.text, #text, p{  
    color:rgb(193, 79, 79)  
}
```

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, 79, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 79, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 51.438, 27.166 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, 79, 79) }
```

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

```
.border{ border-color:rgb(193, 79, 79) }
```

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

Here you see how a box with a 4 pixel rgb(193, 79, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 79, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 79, 79);  
box-shadow:4px 4px 4px 4px rgb(193, 79,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 51.438, 27.166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 79, 79) }
```

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

```
.background{ background-color: rgb(193, 79,  
79) }
```

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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