

Converting Colors

CIELCh(49, 28.147, 18.511)

Have a look what the booklet for
CIELCh(49, 28.147, 18.511) contains.

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Color

CIELCh(49, 28.293, 18.580)

Conversions

Conversions Part 1

Format	Color
Hex	A36266
RGB	163, 98, 102
RGB Percent	64%, 38%, 40%
CMY	0.3593, 0.6143, 0.5987
CMYK	0.00, 0.40, 0.37, 0.36
HSL	356°, 26%, 51%
HSV	356°, 40%, 64%
XYZ	21.9991, 17.5941, 14.8958
YIQ	117.8910, 37.4560, 15.0240

Conversions

Conversions Part 2

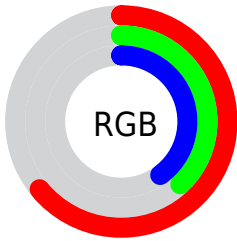
Format	Color
R_{YB}	163, 98, 102
Decimal	10707558
CIE _{Lab}	49.00, 26.82, 9.01
CIE _{LCh}	49, 28.293, 18.580
Yxy	17.5941, 0.4037, 0.3229
Android (android.graphics.Color)	4288897638 (0xFFA36266)
YUV	117.8910, -7.8343, 39.5606
Hunter-Lab	41.9453, 20.2138, 8.3063

Details

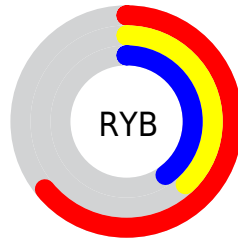
The CIELCh color **49, 28.293, 18.580** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **63, 22.183, 191.665**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 28.242, 18.892**, and **29, 28.305, 19.205** is the 20% darker color. If you saturate the color by 10%, you get **45, 36.303, 20.449**, and if you desaturate by 10%, it is **53, 20.557, 17.117**.

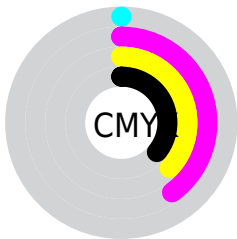
Distribution



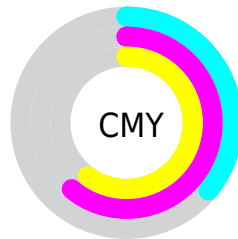
- Red (64%)
- Green (38%)
- Blue (40%)



- Red (64%)
- Yellow (38%)
- Blue (40%)



- Cyan (0%)
- Magenta (40%)
- Yellow (37%)
- Black (36%)



- Cyan (36%)
- Magenta (61%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 28.293, 18.580 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, 28.293, 18.580 by changing the saturation by 10% instead.

■ 49, 28.293, 18.580

■ 49, 28.293, 18.580

■ 100, 28.293,
18.580

■ 39, 28.293, 18.580

■ 69, 28.293, 18.580

■ 29, 28.293, 18.580

■ 79, 28.293, 18.580

■ 19, 28.293, 18.580

■ 89, 28.293, 18.580

■ 9, 28.293, 18.580

■ 99, 28.293, 18.580

■ 0, 28.293, 18.580

■ 49, 28.293, 18.580

■ 49, 28.293, 18.580

■ 45, 36.303, 20.449

■ 53, 20.557, 17.117

■ 41, 44.408, 22.831

■ 58, 13.216, 15.950

38, 52.357, 25.836

62, 6.320, 14.985

36, 59.875, 29.491

67, 0.120, 198.193

35, 66.629, 33.583

72, 6.124, 193.760

34, 72.191, 37.197

77, 11.723,
193.202

34, 72.288, 37.247

82, 16.957,
192.748

87, 21.865,
192.362

92, 26.484,
192.028

Harmonies

Complementary

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



49, 28.293, 18.580



63, 22.183, 191.665

Rectangle

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



49, 28.293, 18.580



49, 28.293, 68.580



49, 28.293, 198.580



49, 28.293, 248.580

Sweetspot

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



49, 28.291, 18.584



78, 9.631, 15.206



50, 43.266, 324.565



41, 6.467, 15.320



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



49, 28.291, 18.584



58, 43.104, 20.257



56, 23.220, 63.583



32, 3.636, 14.936



30, 65.954, 36.772



1, 5.487, 14.789

Inverse Universe

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



49, 28.291, 18.584



58, 43.104, 20.257



55, 19.791, 254.171



32, 3.636, 14.936



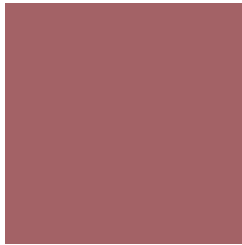
30, 65.954, 36.772



1, 5.487, 14.789

Previews

White Background



This preview shows how the CIELCh color 49, 28.293, 18.580 looks on a white background.

Color Contrast Check

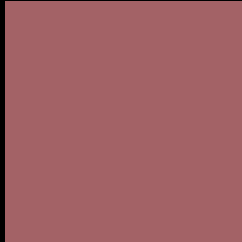
Large Text (above 18pt) WCAG AA ✓ Pass

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, 28.293, 18.580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

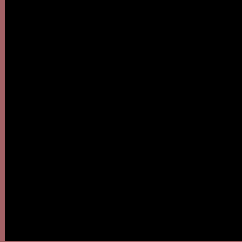
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 28.293, 18.580

Background



This preview shows how black text looks on a background with the CIELCh color 49, 28.293, 18.580.

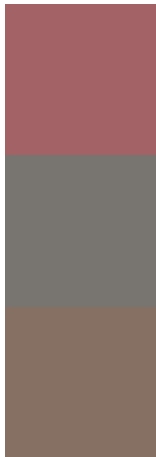


This preview shows how white text looks on a background with the CIELCh color 49, 28.293, 18.580.

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, 28.293, 18.580

Protanopia

49, 2.848, 74.561

Deuteranopia

49, 11.921, 56.053



Tritanopia
49, 28.601, 15.267

Trichromacy



Original Color
49, 28.293, 18.580

Protanomaly
49, 11.108, 26.672

Deuteranomaly
49, 17.021, 33.070

Tritanomaly
49, 28.631, 16.420

Monochromacy



Original Color
49, 28.293, 18.580

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 10.066, 17.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 28.293, 18.580 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(163, 98, 102)` looks like.

```
.text, #text, p{  
    color:rgb(163, 98, 102)  
}
```

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(163, 98, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 98, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 28.293, 18.580 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(163, 98, 102) }
```

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

```
.border{ border-color:rgb(163, 98, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 98, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 98, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 98, 102);  
box-shadow:4px 4px 4px 4px rgb(163, 98,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 28.293, 18.580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 98, 102) }
```

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

```
.background{ background-color: rgb(163, 98,  
102) }
```

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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