

Converting Colors

CIELCh(49, 18.154, 31.434)

Have a look what the booklet for
CIELCh(49, 18.154, 31.434) contains.

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Color

CIELCh(49, 17.901, 32.577)

Conversions

Conversions Part 1

Format	Color
Hex	936B65
RGB	147, 107, 101
RGB Percent	58%, 42%, 40%
CMY	0.4244, 0.5811, 0.6047
CMYK	0.00, 0.27, 0.31, 0.42
HSL	8°, 19%, 49%
HSV	8°, 31%, 58%
XYZ	19.5717, 17.5941, 14.6271
YIQ	118.2760, 25.7660, 6.6140

Conversions

Conversions Part 2

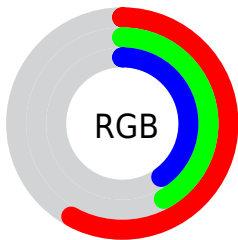
Format	Color
R_{YB}	147, 108, 101
Decimal	9661285
CIE Lab	49.00, 15.08, 9.64
CIE LCh	49, 17.901, 32.577
Yxy	17.5941, 0.3779, 0.3397
Android (android.graphics.Color)	4287851365 (0xFF936B65)
YUV	118.2760, -8.5171, 25.1909
Hunter-Lab	41.9453, 9.8841, 8.6862

Details

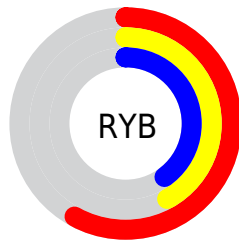
The CIELCh color $49, 17.901, 32.577$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $56, 14.402, 212.034$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 17.782, 33.199$, and $29, 18.057, 32.503$ is the 20% darker color. If you saturate the color by 10%, you get $45, 24.573, 33.231$, and if you desaturate by 10%, it is $53, 11.700, 32.139$.

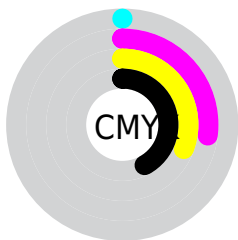
Distribution



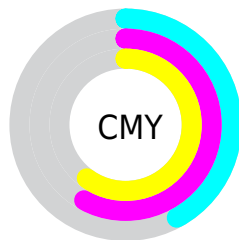
- Red (58%)
- Green (42%)
- Blue (40%)



- Red (58%)
- Yellow (42%)
- Blue (40%)



- Cyan (0%)
- Magenta (27%)
- Yellow (31%)
- Black (42%)





















- Cyan (42%)
- Magenta (58%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 17.901, 32.577 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, 17.901, 32.577 by changing the saturation by 10% instead.

 49, 17.901, 32.577	 49, 17.901, 32.577
 100, 17.901, 32.577	 39, 17.901, 32.577
 69, 17.901, 32.577	 29, 17.901, 32.577
 79, 17.901, 32.577	 19, 17.901, 32.577
 89, 17.901, 32.577	 9, 17.901, 32.577
 99, 17.901, 32.577	 0, 17.901, 32.577

 49, 17.901, 32.577	 49, 17.901, 32.577
 45, 24.573, 33.231	 53, 11.700, 32.139
 42, 31.698, 34.138	 56, 5.966, 31.836

■ 39, 39.204, 35.353

■ 60, 0.670, 31.110

■ 36, 46.942, 36.889

■ 64, 4.226, 211.826

■ 34, 54.620, 38.663

■ 68, 8.762, 211.796

■ 32, 61.622, 40.344

■ 72, 12.978,
211.857

■ 31, 66.666, 41.654

■ 76, 16.913,
211.965

■ 80, 20.599,
212.104

■ 84, 24.069,
212.265

Harmonies

Complementary

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



49, 17.901, 32.577



56, 14.402, 212.034

Rectangle

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



49, 17.901, 32.577



49, 17.901, 82.577



49, 17.901, 212.577



49, 17.901, 262.577

Sweetspot

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



49, 17.900, 32.583



73, 5.833, 31.778



49, 29.482, 329.583



38, 4.108, 31.814



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



49, 17.900, 32.583



60, 27.760, 33.044



55, 17.990, 82.929



29, 2.969, 31.779



29, 63.226, 41.459



1, 2.510, 31.749

Inverse Universe

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



56, 14.402, 212.034



70, 21.020, 212.288



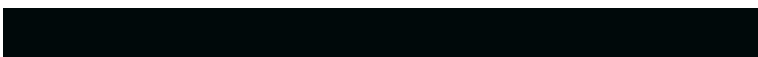
49, 17.508, 271.754



30, 2.803, 211.812



46, 27.761, 219.840



2, 2.510, 211.768

Previews

White Background



This preview shows how the CIELCh color 49, 17.901, 32.577 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, 17.901, 32.577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

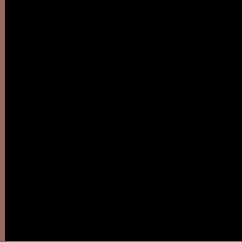
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 17.901, 32.577

Background



This preview shows how black text looks on a background with the CIELCh color 49, 17.901, 32.577.

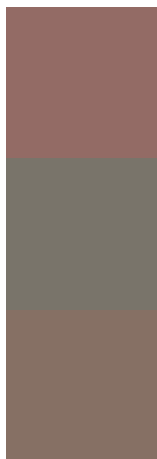


This preview shows how white text looks on a background with the CIELCh color 49, 17.901, 32.577.

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, 17.901, 32.577

Protanopia

49, 6.205, 89.625

Deuteranopia

49, 11.921, 56.053



Tritanopia
49, 18.602, 7.402

Trichromacy



Original Color
49, 17.901, 32.577

Protanomaly
49, 8.997, 55.673

Deuteranomaly
49, 14.022, 45.125

Tritanomaly
49, 17.954, 16.126

Monochromacy



Original Color
49, 17.901, 32.577

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 5.937, 31.315

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 17.901, 32.577 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(147, 107, 101)` looks like.

```
.text, #text, p{  
    color:rgb(147, 107, 101)  
}
```

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(147, 107, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 107, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 17.901, 32.577 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(147, 107, 101) }
```

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

```
.border{ border-color:rgb(147, 107, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 107, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 107, 101); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 107, 101); box-shadow:4px 4px 4px 4px rgb(147, 107, 101) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 17.901, 32.577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 107, 101) }
```

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

```
.background{ background-color: rgb(147,  
107, 101) }
```

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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