

Converting Colors

CIELCh(49, 17.194, 21.575)

Have a look what the booklet for
CIELCh(49, 17.194, 21.575) contains.

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Color

CIELCh(49, 17.188, 21.517)

Conversions

Conversions Part 1

Format	Color
Hex	926A6A
RGB	146, 106, 106
RGB Percent	57%, 42%, 42%
CMY	0.4257, 0.5827, 0.5827
CMYK	0.00, 0.27, 0.27, 0.43
HSL	0°, 16%, 50%
HSV	0°, 27%, 57%
XYZ	19.7524, 17.5941, 16.1025
YIQ	117.9600, 23.8400, 8.4800

Conversions

Conversions Part 2

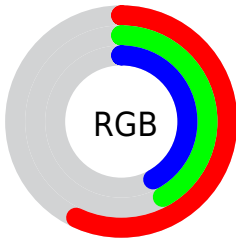
Format	Color
R_{YB}	146, 106, 106
Decimal	9595498
CIE _{Lab}	49.00, 15.99, 6.30
CIE _{LCh}	49, 17.188, 21.517
Yxy	17.5941, 0.3696, 0.3292
Android (android.graphics.Color)	4287785578 (0xFF926A6A)
YUV	117.9600, -5.8963, 24.5911
Hunter-Lab	41.9453, 10.6528, 6.6007

Details

The CIELCh color $49, 17.188, 21.517$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $58, 14.364, 198.094$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 17.118, 22.766$, and $29, 17.195, 20.556$ is the 20% darker color. If you saturate the color by 10%, you get $45, 24.324, 22.762$, and if you desaturate by 10%, it is $53, 10.497, 20.557$.

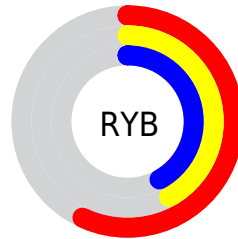
Distribution



Red (57%)

Green (42%)

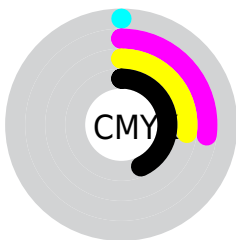
Blue (42%)



Red (57%)

Yellow (42%)

Blue (42%)

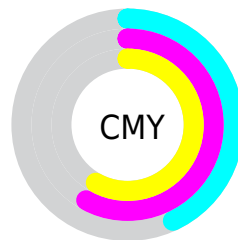


Cyan (0%)

Magenta (27%)

Yellow (27%)

Black (43%)



Cyan (43%)

Magenta (58%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 17.188, 21.517 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, 17.188, 21.517 by changing the saturation by 10% instead.

■ 49, 17.188, 21.517

■ 49, 17.188, 21.517

■ 100, 17.188,
21.517

■ 39, 17.188, 21.517

■ 69, 17.188, 21.517

■ 29, 17.188, 21.517

■ 79, 17.188, 21.517

■ 19, 17.188, 21.517

■ 89, 17.188, 21.517

■ 9, 17.188, 21.517

■ 99, 17.188, 21.517

■ 0, 17.188, 21.517

■ 49, 17.188, 21.517

■ 49, 17.188, 21.517

■ 45, 24.324, 22.762

■ 53, 10.497, 20.557

■ 41, 31.840, 24.368

■ 58, 4.275, 19.758

38, 39.600, 26.444

62, 1.492, 199.577

35, 47.398, 29.078

66, 6.836, 198.890

33, 54.951, 32.269

71, 11.796,
198.498

31, 61.811, 35.754

75, 16.415,
198.192

30, 67.159, 38.670

30, 68.475, 39.308

80, 20.731,
197.946

84, 24.784,
197.744

89, 28.605,
197.578

Harmonies

Complementary

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



49, 17.188, 21.517



58, 14.364, 198.094

Rectangle

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



49, 17.188, 21.517



49, 17.188, 71.517



49, 17.188, 201.517



49, 17.188, 251.517

Sweetspot

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



49, 17.187, 21.522



73, 5.814, 19.824



50, 27.829, 325.883



38, 4.187, 19.932



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, 17.187, 21.522



60, 26.392, 22.272



54, 14.424, 72.117



29, 3.342, 19.905



28, 65.124, 38.931



1, 2.828, 19.418

Inverse Universe

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



58, 14.364, 198.094



73, 21.044, 197.821



52, 13.416, 259.471



31, 3.159, 199.016



52, 31.687, 196.409



2, 2.828, 199.435

Previews

White Background



This preview shows how the CIELCh color 49, 17.188, 21.517 looks on a white background.

Color Contrast Check

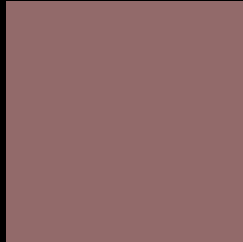
Large Text (above 18pt) WCAG AA ✓ Pass

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, 17.188, 21.517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

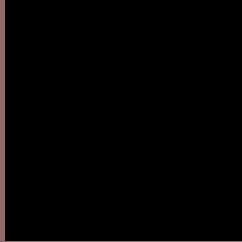
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 49, 17.188, 21.517

Background



This preview shows how black text looks on a background with the CIELCh color 49, 17.188, 21.517.



This preview shows how white text looks on a background with the CIELCh color 49, 17.188, 21.517.

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, 17.188, 21.517

Protanopia

49, 2.848, 74.561

Deuteranopia

49, 9.391, 49.867



Tritanopia
49, 18.188, 6.999

Trichromacy



Original Color
49, 17.188, 21.517

Protanomaly
49, 7.347, 33.905

Deuteranomaly
49, 11.527, 35.194

Tritanomaly
49, 17.549, 12.151

Monochromacy



Original Color
49, 17.188, 21.517

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 5.786, 20.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 17.188, 21.517 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(146, 106, 106)` looks like.

```
.text, #text, p{  
    color:rgb(146, 106, 106)  
}
```

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(146, 106, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 106, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 17.188, 21.517 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(146, 106, 106) }
```

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

```
.border{ border-color:rgb(146, 106, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 106, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 106, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 106, 106);  
box-shadow:4px 4px 4px 4px rgb(146, 106,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 17.188, 21.517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 106, 106) }
```

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

```
.background{ background-color: rgb(146,  
106, 106) }
```

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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