

Converting Colors

CIELCh(48, 13.573, 15.913)

Have a look what the booklet for
CIELCh(48, 13.573, 15.913) contains.

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Color

CIELCh(48, 13.619, 16.190)

Conversions

Conversions Part 1

Format	Color
Hex	8A6A6C
RGB	138, 106, 108
RGB Percent	54%, 42%, 42%
CMY	0.4588, 0.5843, 0.5765
CMYK	0.00, 0.23, 0.22, 0.46
HSL	356°, 13%, 48%
HSV	356°, 23%, 54%
XYZ	18.3424, 16.7945, 16.4627
YIQ	115.7960, 18.4300, 7.4060

Conversions

Conversions Part 2

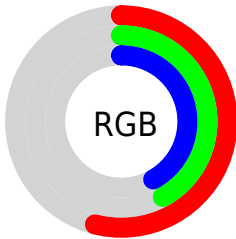
Format	Color
R_{YB}	138, 106, 108
Decimal	9071212
CIE Lab	48.00, 13.08, 3.80
CIE LCh	48, 13.619, 16.190
Yxy	16.7945, 0.3555, 0.3255
Android (android.graphics.Color)	4287261292 (0xFF8A6A6C)
YUV	115.7960, -3.8434, 19.4729
Hunter-Lab	40.9810, 8.1766, 4.8691

Details

The CIELCh color **48, 13.619, 16.190** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **55, 11.944, 192.707**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 13.808, 16.142**, and **28, 13.235, 16.379** is the 20% darker color. If you saturate the color by 10%, you get **44, 20.120, 17.427**, and if you desaturate by 10%, it is **52, 7.488, 15.193**.

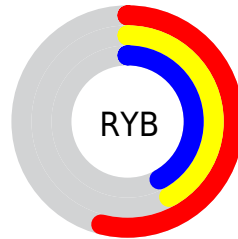
Distribution



Red (54%)

Green (42%)

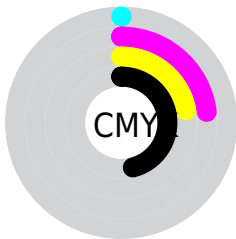
Blue (42%)



Red (54%)

Yellow (42%)

Blue (42%)

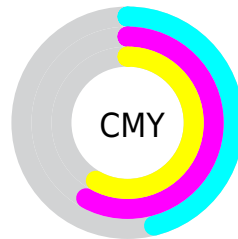


Cyan (0%)

Magenta (23%)

Yellow (22%)

Black (46%)



Cyan (46%)

Magenta (58%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 13.619, 16.190 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 48, 13.619, 16.190 by changing the saturation by 10% instead.

■ 48, 13.619, 16.190

■ 48, 13.619, 16.190

■ 100, 13.619,
16.190

■ 38, 13.619, 16.190

■ 68, 13.619, 16.190

■ 28, 13.619, 16.190

■ 78, 13.619, 16.190

■ 18, 13.619, 16.190

■ 88, 13.619, 16.190

■ 8, 13.619, 16.190

■ 98, 13.619, 16.190

■ 0, 13.619, 16.190

■ 48, 13.619, 16.190

■ 48, 13.619, 16.190

■ 44, 20.120, 17.427

■ 52, 7.488, 15.193

■ 40, 26.936, 18.974

■ 56, 1.749, 14.217

37, 33.951, 20.940

60, 3.609, 193.912

34, 40.992, 23.436

65, 8.610, 193.297

32, 47.841, 26.558

69, 13.285,
192.816

30, 54.261, 30.294

73, 17.667,
192.410

29, 59.943, 34.361

28, 63.234, 36.420

77, 21.789,
192.060

82, 25.682,
191.755

86, 29.372,
191.485

Harmonies

Complementary

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



48, 13.619, 16.190



55, 11.944, 192.707

Rectangle

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



48, 13.619, 16.190



48, 13.619, 66.190



48, 13.619, 196.190



48, 13.619, 246.190

Sweetspot

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



48, 13.618, 16.196



69, 4.804, 14.645



49, 22.075, 323.765



36, 3.115, 14.688



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



48, 13.618, 16.196



59, 20.649, 16.828



52, 11.213, 65.373



27, 3.155, 14.827



27, 61.221, 36.144



0, 1.422, 14.224

Inverse Universe

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



48, 13.618, 16.196



59, 20.649, 16.828



51, 10.295, 250.942



27, 3.155, 14.827



27, 61.221, 36.144



0, 1.422, 14.224

Previews

White Background



This preview shows how the CIELCh color 48, 13.619, 16.190 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 48, 13.619, 16.190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

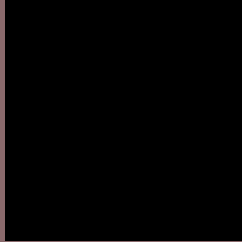
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 13.619, 16.190

Background



This preview shows how black text looks on a background with the CIELCh color 48, 13.619, 16.190.



This preview shows how white text looks on a background with the CIELCh color 48, 13.619, 16.190.

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

48, 13.619, 16.190

Protanopia

48, 1.688, 63.306

Deuteranopia

48, 7.808, 33.203



Tritanopia
48, 14.916, 3.095

Trichromacy



Original Color
48, 13.619, 16.190

Protanomaly
48, 5.815, 20.033

Deuteranomaly
48, 9.830, 27.331

Tritanomaly
48, 14.686, 7.508

Monochromacy



Original Color
48, 13.619, 16.190

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 4.985, 13.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 13.619, 16.190 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(138, 106, 108)` looks like.

```
.text, #text, p{  
    color:rgb(138, 106, 108)  
}
```

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(138, 106, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 106, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 13.619, 16.190 is called "border". The border property can be set on classes, ids or directly on the HTML element.

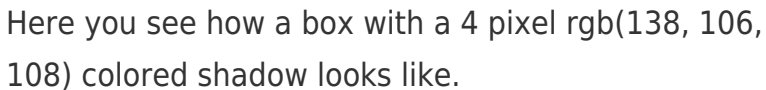
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(138, 106, 108) }
```

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

```
.border{ border-color:rgb(138, 106, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(138, 106, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 106, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 106, 108); box-shadow:4px 4px 4px 4px rgb(138, 106, 108) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 13.619, 16.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 106, 108) }
```

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

```
.background{ background-color: rgb(138,  
106, 108) }
```

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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