

Converting Colors

CIELCh(48, 17.654, 59.145)

Have a look what the booklet for
CIELCh(48, 17.654, 59.145) contains.

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Color

CIELCh(48, 17.691, 59.125)

Conversions

Conversions Part 1

Format	Color
Hex	8A6C59
RGB	138, 108, 89
RGB Percent	54%, 42%, 35%
CMY	0.4595, 0.5771, 0.6516
CMYK	0.00, 0.22, 0.36, 0.46
HSL	23°, 22%, 44%
HSV	23°, 36%, 54%
XYZ	17.5910, 16.7945, 11.7286
YIQ	114.8040, 23.9790, 0.4510

Conversions

Conversions Part 2

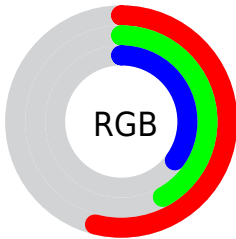
Format	Color
R_{YB}	138, 120, 89
Decimal	9071705
CIE Lab	48.00, 9.08, 15.18
CIE LCh	48, 17.691, 59.125
Yxy	16.7945, 0.3815, 0.3642
Android (android.graphics.Color)	4287261785 (0xFF8A6C59)
YUV	114.8040, -12.7214, 20.3429
Hunter-Lab	40.9810, 4.9039, 11.7182

Details

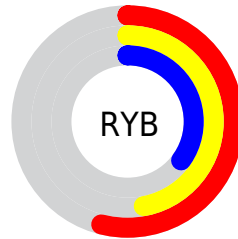
The CIELCh color **48, 17.691, 59.125** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **48, 14.987, 247.279**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 17.579, 58.579**, and **28, 17.942, 60.300** is the 20% darker color. If you saturate the color by 10%, you get **45, 23.415, 58.297**, and if you desaturate by 10%, it is **51, 12.308, 60.008**.

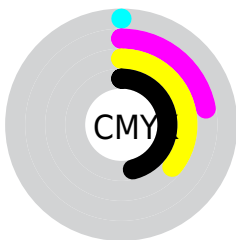
Distribution



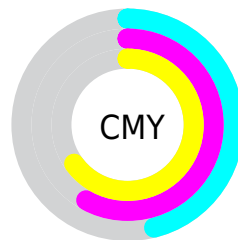
- Red (54%)
- Green (42%)
- Blue (35%)



- Red (54%)
- Yellow (47%)
- Blue (35%)



- Cyan (0%)
- Magenta (22%)
- Yellow (36%)
- Black (46%)





















- Cyan (46%)
- Magenta (58%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 17.691, 59.125 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, 17.691, 59.125 by changing the saturation by 10% instead.

 48, 17.691, 59.125	 48, 17.691, 59.125
 100, 17.691, 59.125	 38, 17.691, 59.125
 68, 17.691, 59.125	 28, 17.691, 59.125
 78, 17.691, 59.125	 18, 17.691, 59.125
 88, 17.691, 59.125	 8, 17.691, 59.125
 98, 17.691, 59.125	 0, 17.691, 59.125

 48, 17.691, 59.125	 48, 17.691, 59.125
 45, 23.415, 58.297	 51, 12.308, 60.008
 43, 29.472, 57.509	 53, 7.255, 60.907

■ 41, 35.802, 56.750

■ 56, 2.507, 61.758

■ 39, 42.253, 55.960

■ 59, 1.965, 243.021

■ 37, 48.483, 54.985

■ 61, 6.191, 243.851

■ 35, 53.958, 53.606

■ 64, 10.197,
244.770

■ 34, 56.562, 53.278

■ 67, 14.011,
245.683

■ 70, 17.655,
246.579

■ 72, 21.150,
247.450

Harmonies

Complementary

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



48, 17.691, 59.125



48, 14.987, 247.279

Rectangle

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



48, 17.691, 59.125



48, 17.691, 109.125



48, 17.691, 239.125



48, 17.691, 289.125

Sweetspot

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



48, 17.691, 59.132



69, 6.257, 61.291



44, 26.459, 340.690



35, 4.203, 61.190



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, 17.691, 59.132



59, 27.165, 58.429



55, 24.638, 101.259



28, 2.580, 61.472



33, 54.891, 53.386



1, 1.169, 62.414

Inverse Universe

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



48, 14.987, 247.279



59, 21.983, 248.994



41, 26.249, 289.736



28, 2.488, 243.451



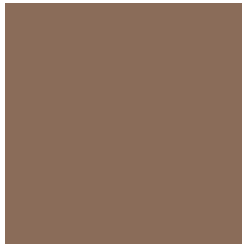
33, 34.656, 269.100



1, 1.169, 242.430

Previews

White Background



This preview shows how the CIELCh color 48, 17.691, 59.125 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 48, 17.691, 59.125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

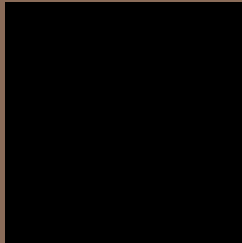
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 17.691, 59.125

Background



This preview shows how black text looks on a background with the CIELCh color 48, 17.691, 59.125.



This preview shows how white text looks on a background with the CIELCh color 48, 17.691, 59.125.

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, 17.691, 59.125

Protanopia

48, 13.241, 95.057

Deuteranopia

48, 16.487, 67.885



Tritanopia
48, 15.320, 3.662

Trichromacy



Original Color
48, 17.691, 59.125

Protanomaly
48, 14.036, 80.324

Deuteranomaly
48, 16.702, 64.399

Tritanomaly
48, 14.265, 25.777

Monochromacy



Original Color
48, 17.691, 59.125

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 6.203, 61.126

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 17.691, 59.125 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, 108, 89)` looks like.

```
.text, #text, p{  
    color:rgb(138, 108, 89)  
}
```

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, 108, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 108, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 17.691, 59.125 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, 108, 89) }
```

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

```
.border{ border-color:rgb(138, 108, 89) }
```

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

Here you see how a box with a 4 pixel rgb(138, 108, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 108, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 108, 89);  
box-shadow:4px 4px 4px 4px rgb(138, 108,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 17.691, 59.125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 108, 89) }
```

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

```
.background{ background-color: rgb(138,  
108, 89) }
```

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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