

Converting Colors

CIELCh(48, 11.403, 20.346)

Have a look what the booklet for
CIELCh(48, 11.403, 20.346) contains.

CIELCh(48, 11.435, 17.866)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(48, 11.435, 17.866)

Conversions

Conversions Part 1

Format	Color
Hex	866B6C
RGB	134, 107, 108
RGB Percent	53%, 42%, 42%
CMY	0.4728, 0.5788, 0.5749
CMYK	0.00, 0.20, 0.19, 0.47
HSL	358°, 11%, 47%
HSV	358°, 20%, 53%
XYZ	17.9275, 16.7945, 16.5971
YIQ	115.1870, 15.7710, 6.0350

Conversions

Conversions Part 2

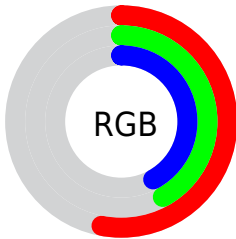
Format	Color
R_{YB}	134, 107, 108
Decimal	8809324
CIE _{Lab}	48.00, 10.88, 3.51
CIE _{LCh}	48, 11.435, 17.866
Yxy	16.7945, 0.3493, 0.3273
Android (android.graphics.Color)	4286999404 (0xFF866B6C)
YUV	115.1870, -3.5432, 16.4990
Hunter-Lab	40.9810, 6.3693, 4.6747

Details

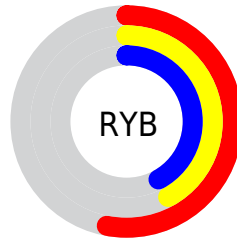
The CIELCh color **48, 11.435, 17.866** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **54, 10.158, 195.154**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 11.783, 17.805**, and **28, 11.301, 18.241** is the 20% darker color. If you saturate the color by 10%, you get **44, 17.720, 18.973**, and if you desaturate by 10%, it is **52, 5.544, 16.970**.

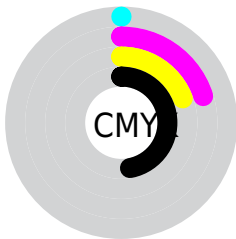
Distribution



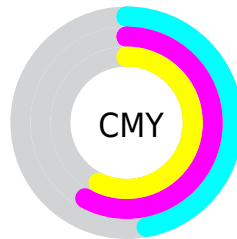
- Red (53%)
- Green (42%)
- Blue (42%)



- Red (53%)
- Yellow (42%)
- Blue (42%)



- Cyan (0%)
- Magenta (20%)
- Yellow (19%)
- Black (47%)



- Cyan (47%)
- Magenta (58%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 11.435, 17.866 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, 11.435, 17.866 by changing the saturation by 10% instead.

■ 48, 11.435, 17.866

■ 48, 11.435, 17.866

■ 100, 11.435,
17.866

■ 38, 11.435, 17.866

■ 68, 11.435, 17.866

■ 28, 11.435, 17.866

■ 78, 11.435, 17.866

■ 18, 11.435, 17.866

■ 88, 11.435, 17.866

■ 8, 11.435, 17.866

■ 98, 11.435, 17.866

■ 0, 11.435, 17.866

■ 48, 11.435, 17.866

■ 48, 11.435, 17.866

■ 44, 17.720, 18.973

■ 52, 5.544, 16.970

■ 40, 24.367, 20.363

■ 56, 0.054, 8.705

37, 31.286, 22.137

60, 5.057, 195.861

34, 38.333, 24.403

64, 9.817, 195.353

31, 45.307, 27.254

68, 14.261,
194.948

29, 51.965, 30.699

73, 18.424,
194.609

28, 57.976, 34.508

77, 22.337,
194.321

27, 62.684, 37.291

81, 26.032,
194.072

85, 29.534,
193.855

Harmonies

Complementary

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



48, 11.435, 17.866



54, 10.158, 195.154

Rectangle

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



48, 11.435, 17.866



48, 11.435, 67.866



48, 11.435, 197.866



48, 11.435, 247.866

Sweetspot

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



48, 11.434, 17.873



69, 4.047, 16.628



49, 18.804, 324.088



36, 2.710, 16.677



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, 11.434, 17.873



60, 17.277, 18.333



51, 9.487, 67.571



26, 3.051, 16.887



26, 61.006, 37.042



0, 0.709, 16.336

Inverse Universe

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



48, 11.434, 17.873



60, 17.277, 18.333



51, 8.870, 252.465



26, 3.051, 16.887



26, 61.006, 37.042



0, 0.709, 16.336

Previews

White Background



This preview shows how the CIELCh color 48, 11.435, 17.866 looks on a white background.

Color Contrast Check

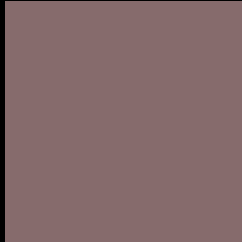
Large Text (above 18pt) WCAG AA ✓ Pass

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, 11.435, 17.866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

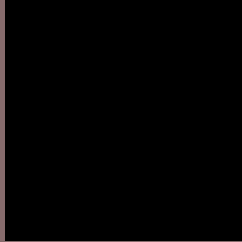
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 11.435, 17.866

Background



This preview shows how black text looks on a background with the CIELCh color 48, 11.435, 17.866.



This preview shows how white text looks on a background with the CIELCh color 48, 11.435, 17.866.

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, 11.435, 17.866

Protanopia

48, 1.688, 63.306

Deuteranopia

48, 7.245, 29.475



Tritanopia
48, 13.091, 357.352

Trichromacy



Original Color
48, 11.435, 17.866

Protanomaly
48, 4.593, 27.177

Deuteranomaly
48, 8.878, 24.191

Tritanomaly
48, 12.170, 4.195

Monochromacy



Original Color
48, 11.435, 17.866

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 4.118, 19.798

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 11.435, 17.866 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(134, 107, 108)` looks like.

```
.text, #text, p{  
    color:rgb(134, 107, 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(134, 107, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 107, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 11.435, 17.866 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(134, 107, 108) }
```

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

```
.border{ border-color:rgb(134, 107, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 107, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 107, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 107, 108);  
box-shadow:4px 4px 4px 4px rgb(134, 107,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 11.435, 17.866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 107, 108) }
```

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

```
.background{ background-color: rgb(134,  
107, 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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