

Converting Colors

CIELCh(48, 14.209, 6.389)

Have a look what the booklet for
CIELCh(48, 14.209, 6.389) contains.

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Color

CIELCh(48, 14.380, 4.746)

Conversions

Conversions Part 1

Format	Color
Hex	8A6970
RGB	138, 105, 112
RGB Percent	54%, 41%, 44%
CMY	0.4573, 0.5868, 0.5593
CMYK	0.00, 0.24, 0.19, 0.46
HSL	347°, 14%, 48%
HSV	347°, 24%, 54%
XYZ	18.5818, 16.7945, 17.7012
YIQ	115.6650, 17.4210, 9.1730

Conversions

Conversions Part 2

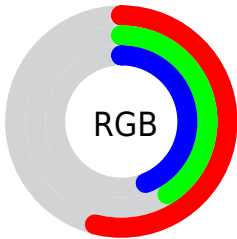
Format	Color
R_{YB}	138, 105, 112
Decimal	9070960
CIE _{Lab}	48.00, 14.33, 1.19
CIE _{LCh}	48, 14.380, 4.746
Yxy	16.7945, 0.3501, 0.3164
Android (android.graphics.Color)	4287261040 (0xFF8A6970)
YUV	115.6650, -1.8068, 19.5878
Hunter-Lab	40.9810, 9.2195, 3.0773

Details

The CIELCh color $48, 14.380, 4.746$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $55, 13.132, 180.225$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 14.654, 3.434$, and $28, 13.916, 6.163$ is the 20% darker color. If you saturate the color by 10%, you get $44, 20.819, 6.109$, and if you desaturate by 10%, it is $52, 8.160, 3.598$.

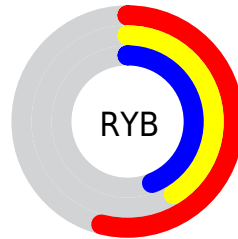
Distribution



Red (54%)

Green (41%)

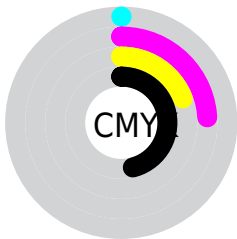
Blue (44%)



Red (54%)

Yellow (41%)

Blue (44%)

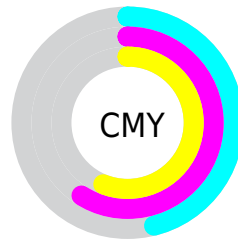


Cyan (0%)

Magenta (24%)

Yellow (19%)

Black (46%)



Cyan (46%)













Magenta (59%)









Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 14.380, 4.746 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, 14.380, 4.746 by changing the saturation by 10% instead.

 48, 14.380, 4.746	 48, 14.380, 4.746
 100, 14.380, 4.746	 38, 14.380, 4.746
 68, 14.380, 4.746	 28, 14.380, 4.746
 78, 14.380, 4.746	 18, 14.380, 4.746
 88, 14.380, 4.746	 8, 14.380, 4.746
 98, 14.380, 4.746	 0, 14.380, 4.746

 48, 14.380, 4.746	 48, 14.380, 4.746
 44, 20.819, 6.109	 52, 8.160, 3.598
 41, 27.381, 7.754	 56, 2.217, 2.506
 37, 33.901, 9.785	 60, 3.430, 181.957

34, 40.160, 12.327

64, 8.783, 181.155

32, 45.911, 15.523

69, 13.856,
180.488

30, 50.957, 19.495

73, 18.671,
179.898

29, 55.247, 24.242

28, 57.862, 27.102

77, 23.248,
179.367

81, 27.612,
178.885

85, 31.783,
178.444

Harmonies

Complementary

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



48, 14.380, 4.746



55, 13.132, 180.225

Rectangle

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



48, 14.380, 4.746



48, 14.380, 54.746



48, 14.380, 184.746



48, 14.380, 234.746

Sweetspot

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



48, 14.378, 4.750



70, 5.048, 2.889



48, 21.894, 319.320



37, 3.310, 2.941



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



48, 14.378, 4.750



59, 22.028, 5.506



50, 11.578, 48.232



27, 3.271, 3.100



27, 55.989, 26.852



0, 1.485, 2.338

Inverse Universe

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



48, 14.378, 4.750



59, 22.028, 5.506



52, 10.073, 231.422



27, 3.271, 3.100



27, 55.989, 26.852



0, 1.485, 2.338

Previews

White Background



This preview shows how the CIELCh color 48, 14.380, 4.746 looks on a white background.

Color Contrast Check

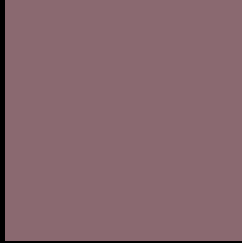
Large Text (above 18pt) WCAG AA ✓ Pass

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, 14.380, 4.746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

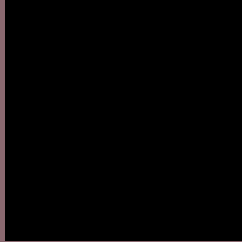
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 14.380, 4.746

Background



This preview shows how black text looks on a background with the CIELCh color 48, 14.380, 4.746.



This preview shows how white text looks on a background with the CIELCh color 48, 14.380, 4.746.

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, 14.380, 4.746

Protanopia

48, 1.823, 303.157

Deuteranopia

48, 6.680, 15.131



Tritanopia
48, 14.916, 3.095

Trichromacy



Original Color
48, 14.380, 4.746

Protanomaly
48, 5.834, 356.329

Deuteranomaly
48, 9.860, 6.878

Tritanomaly
48, 14.916, 3.095

Monochromacy



Original Color
48, 14.380, 4.746

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 5.233, 0.334

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 14.380, 4.746 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, 105, 112)` looks like.

```
.text, #text, p{  
    color:rgb(138, 105, 112)  
}
```

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, 105, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 105, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 14.380, 4.746 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, 105, 112) }
```

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

```
.border{ border-color:rgb(138, 105, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 105, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 105, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 105, 112);  
box-shadow:4px 4px 4px 4px rgb(138, 105,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 14.380, 4.746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 105, 112) }
```

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

```
.background{ background-color: rgb(138,  
105, 112) }
```

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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