

Converting Colors

CIELCh(48, 17.778, 12.332)

Have a look what the booklet for
CIELCh(48, 17.778, 12.332) contains.

CIELCh(48, 18.070, 12.512)	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, 18.070, 12.512)

Conversions

Conversions Part 1

Format	Color
Hex	91676C
RGB	145, 103, 108
RGB Percent	57%, 40%, 42%
CMY	0.4315, 0.5962, 0.5766
CMYK	0.00, 0.29, 0.26, 0.43
HSL	353°, 17%, 49%
HSV	353°, 29%, 57%
XYZ	19.2250, 16.7945, 16.4083
YIQ	116.1280, 23.4270, 10.4590

Conversions

Conversions Part 2

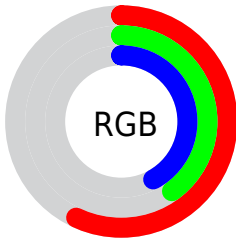
Format	Color
R_{YB}	145, 103, 108
Decimal	9529196
CIE _{Lab}	48.00, 17.64, 3.91
CIE _{LCh}	48, 18.070, 12.512
Yxy	16.7945, 0.3667, 0.3203
Android (android.graphics.Color)	4287719276 (0xFF91676C)
YUV	116.1280, -4.0071, 25.3207
Hunter-Lab	40.9810, 12.0209, 4.9478

Details

The CIELCh color $48, 18.070, 12.512$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $57, 15.601, 187.340$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 18.350, 12.637$, and $28, 17.633, 12.593$ is the 20% darker color. If you saturate the color by 10%, you get $44, 24.931, 13.998$, and if you desaturate by 10%, it is $52, 11.497, 11.308$.

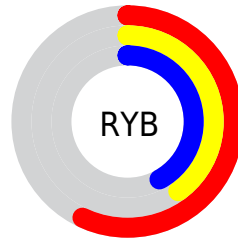
Distribution



Red (57%)

Green (40%)

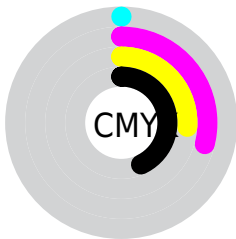
Blue (42%)



Red (57%)

Yellow (40%)

Blue (42%)

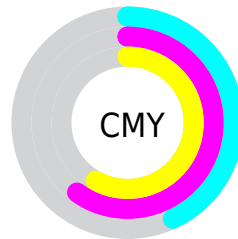


Cyan (0%)

Magenta (29%)

Yellow (26%)

Black (43%)



Cyan (43%)

Magenta (60%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 18.070, 12.512 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, 18.070, 12.512 by changing the saturation by 10% instead.

■ 48, 18.070, 12.512

■ 48, 18.070, 12.512

■ 100, 18.070,
12.512

■ 38, 18.070, 12.512

■ 68, 18.070, 12.512

■ 28, 18.070, 12.512

■ 78, 18.070, 12.512

■ 18, 18.070, 12.512

■ 88, 18.070, 12.512

■ 8, 18.070, 12.512

■ 98, 18.070, 12.512

■ 0, 18.070, 12.512

■ 48, 18.070, 12.512

■ 48, 18.070, 12.512

■ 44, 24.931, 13.998

■ 52, 11.497, 11.308

■ 40, 31.972, 15.847

■ 56, 5.273, 10.281

37, 39.019, 18.181

61, 0.586, 190.253

34, 45.848, 21.125

65, 6.086, 188.906

32, 52.230, 24.772

69, 11.251,
188.272

31, 57.984, 29.080

74, 16.107,
187.735

30, 63.137, 33.459

30, 63.665, 33.840

78, 20.685,
187.266

83, 25.015,
186.850

87, 29.124,
186.477

Harmonies

Complementary

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



48, 18.070, 12.512



57, 15.601, 187.340

Rectangle

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



48, 18.070, 12.512



48, 18.070, 62.512



48, 18.070, 192.512



48, 18.070, 242.512

Sweetspot

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



48, 18.068, 12.516



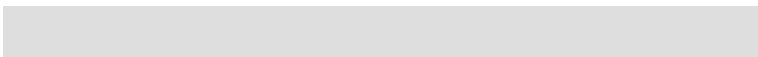
72, 6.566, 10.303



49, 28.233, 322.079



37, 4.566, 10.432



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



48, 18.068, 12.516



58, 27.549, 13.483



52, 14.702, 57.315



28, 3.281, 10.301



27, 60.282, 33.502



0, 2.158, 9.609

Inverse Universe

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



48, 18.068, 12.516



58, 27.549, 13.483



53, 12.758, 243.345



28, 3.281, 10.301



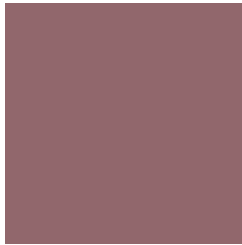
27, 60.282, 33.502



0, 2.158, 9.609

Previews

White Background



This preview shows how the CIELCh color 48, 18.070, 12.512 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, 18.070, 12.512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

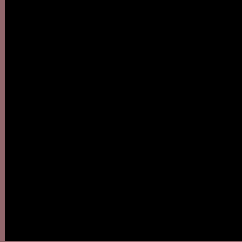
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 18.070, 12.512

Background



This preview shows how black text looks on a background with the CIELCh color 48, 18.070, 12.512.



This preview shows how white text looks on a background with the CIELCh color 48, 18.070, 12.512.

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, 18.070, 12.512

Protanopia

48, 0.813, 19.049

Deuteranopia

48, 7.808, 33.203



Tritanopia
48, 18.169, 8.856

Trichromacy



Original Color
48, 18.070, 12.512

Protanomaly
48, 7.153, 10.810

Deuteranomaly
48, 11.462, 20.779

Tritanomaly
48, 18.109, 10.679

Monochromacy



Original Color
48, 18.070, 12.512

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 6.726, 10.152

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 18.070, 12.512 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(145, 103, 108)` looks like.

```
.text, #text, p{  
    color:rgb(145, 103, 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(145, 103, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 103, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 18.070, 12.512 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(145, 103, 108) }
```

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

```
.border{ border-color:rgb(145, 103, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 103, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 103, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 103, 108);  
box-shadow:4px 4px 4px 4px rgb(145, 103,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 18.070, 12.512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 103, 108) }
```

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

```
.background{ background-color: rgb(145,  
103, 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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