

Converting Colors

CIELCh(52, 13.402, 13.583)

Have a look what the booklet for
CIELCh(52, 13.402, 13.583) contains.

CIELCh(52, 13.402, 13.583)	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(52, 13.402, 13.583)

Conversions

Conversions Part 1

Format	Color
Hex	947477
RGB	148, 116, 119
RGB Percent	58%, 45%, 47%
CMY	0.4193, 0.5448, 0.5330
CMYK	0.00, 0.22, 0.20, 0.42
HSL	354°, 13%, 52%
HSV	354°, 22%, 58%
XYZ	21.8147, 20.1443, 20.2142
YIQ	125.9100, 18.1090, 7.7170

Conversions

Conversions Part 2

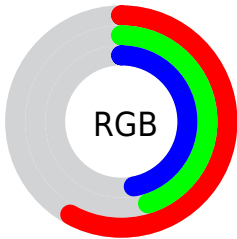
Format	Color
R_{YB}	148, 116, 119
Decimal	9729143
CIE _{Lab}	52.00, 13.03, 3.15
CIE _{LCh}	52, 13.402, 13.583
Yxy	20.1443, 0.3509, 0.3240
Android (android.graphics.Color)	4287919223 (0xFF947477)
YUV	125.9100, -3.4066, 19.3729
Hunter-Lab	44.8824, 8.2139, 4.7146

Details

The CIELCh color $52, 13.402, 13.583$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $59, 11.958, 190.097$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 13.251, 13.544$, and $32, 13.383, 13.675$ is the 20% darker color. If you saturate the color by 10%, you get $48, 20.197, 14.836$, and if you desaturate by 10%, it is $56, 6.974, 12.555$.

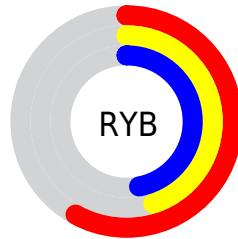
Distribution



Red (58%)

Green (45%)

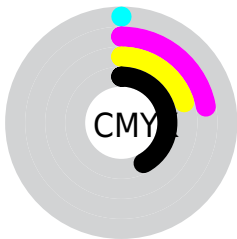
Blue (47%)



Red (58%)

Yellow (45%)

Blue (47%)

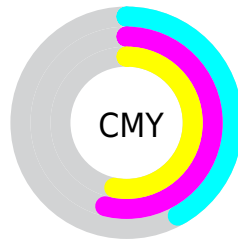


Cyan (0%)

Magenta (22%)

Yellow (20%)

Black (42%)



Cyan (42%)

Magenta (54%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 13.402, 13.583 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 52, 13.402, 13.583 by changing the saturation by 10% instead.

■ 52, 13.402, 13.583

■ 52, 13.402, 13.583

■ 100, 13.402,
13.583

■ 42, 13.402, 13.583

■ 72, 13.402, 13.583

■ 32, 13.402, 13.583

■ 82, 13.402, 13.583

■ 22, 13.402, 13.583

■ 92, 13.402, 13.583

■ 12, 13.402, 13.583

■ 2, 13.402, 13.583

■ 0, 13.402, 13.583

■ 52, 13.402, 13.583

■ 52, 13.402, 13.583

■ 48, 20.197, 14.836

■ 56, 6.974, 12.555

■ 44, 27.297, 16.386

■ 61, 0.938, 11.330

40, 34.580, 18.341

65, 4.714, 191.186

37, 41.857, 20.819

70, 10.004,
190.548

34, 48.899, 23.935

74, 14.964,
190.026

32, 55.471, 27.733

31, 61.350, 32.049

79, 19.627,
189.576

30, 65.756, 35.360

83, 24.024,
189.182

87, 28.186,
188.833

92, 32.140,
188.521

Harmonies

Complementary

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



52, 13.402, 13.583



59, 11.958, 190.097

Rectangle

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



52, 13.402, 13.583



52, 13.402, 63.583



52, 13.402, 193.583



52, 13.402, 243.583

Sweetspot

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



52, 13.400, 13.589



74, 4.362, 12.024



53, 21.590, 322.728



39, 2.921, 12.082



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



52, 13.400, 13.589



64, 20.162, 14.169



55, 10.933, 61.742



29, 3.363, 12.325



28, 62.115, 35.008



1, 2.859, 11.662

Inverse Universe

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



52, 13.400, 13.589



64, 20.162, 14.169



55, 9.979, 246.564



29, 3.363, 12.325



28, 62.115, 35.008



1, 2.859, 11.662

Previews

White Background



This preview shows how the CIELCh color 52, 13.402, 13.583 looks on a white background.

Color Contrast Check

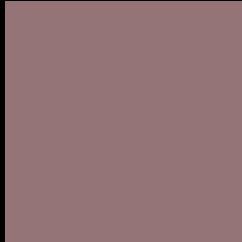
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 52, 13.402, 13.583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

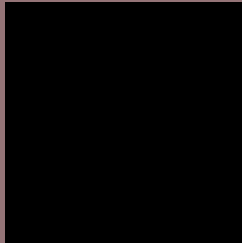
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 13.402, 13.583

Background



This preview shows how black text looks on a background with the CIELCh color 52, 13.402, 13.583.



This preview shows how white text looks on a background with the CIELCh color 52, 13.402, 13.583.

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

52, 13.402, 13.583

Protanopia

52, 1.329, 45.001

Deuteranopia

52, 7.535, 28.961



Tritanopia
52, 14.835, 0.764

Trichromacy



Original Color
52, 13.402, 13.583

Protanomaly
52, 5.733, 14.210

Deuteranomaly
52, 9.570, 23.878

Tritanomaly
52, 14.554, 5.098

Monochromacy



Original Color
52, 13.402, 13.583

Achromatopsia
53, 0.007, 296.813

Achromatomaly
52, 4.905, 13.122

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 13.402, 13.583 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(148, 116, 119)` looks like.

```
.text, #text, p{  
    color:rgb(148, 116, 119)  
}
```

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(148, 116, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 116, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 13.402, 13.583 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(148, 116, 119) }
```

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

```
.border{ border-color:rgb(148, 116, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 116, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 116, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 116, 119);  
box-shadow:4px 4px 4px 4px rgb(148, 116,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 13.402, 13.583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 116, 119) }
```

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

```
.background{ background-color: rgb(148,  
116, 119) }
```

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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