

Converting Colors

CIELCh(52, 13.450, 38.010)

Have a look what the booklet for
CIELCh(52, 13.450, 38.010) contains.

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Color

CIELCh(52, 13.483, 38.060)

Conversions

Conversions Part 1

Format	Color
Hex	93756E
RGB	147, 117, 110
RGB Percent	58%, 46%, 43%
CMY	0.4224, 0.5401, 0.5676
CMYK	0.00, 0.20, 0.25, 0.42
HSL	11°, 15%, 50%
HSV	11°, 25%, 58%
XYZ	21.3033, 20.1443, 17.5916
YIQ	125.1720, 20.1270, 4.1830

Conversions

Conversions Part 2

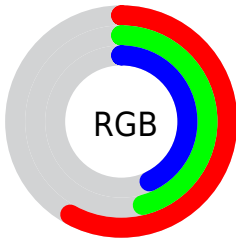
Format	Color
R_{YB}	147, 119, 110
Decimal	9663854
CIE Lab	52.00, 10.62, 8.31
CIE LCh	52, 13.483, 38.060
Yxy	20.1443, 0.3608, 0.3412
Android (android.graphics.Color)	4287853934 (0xFF93756E)
YUV	125.1720, -7.4798, 19.1432
Hunter-Lab	44.8824, 6.1801, 8.1791

Details

The CIELCh color **52, 13.483, 38.060** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **56, 11.419, 219.124**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 13.595, 36.548**, and **32, 13.714, 39.847** is the 20% darker color. If you saturate the color by 10%, you get **49, 19.630, 38.248**, and if you desaturate by 10%, it is **56, 7.795, 38.021**.

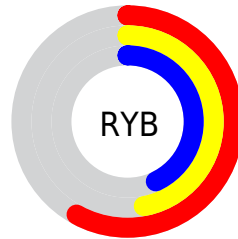
Distribution



Red (58%)

Green (46%)

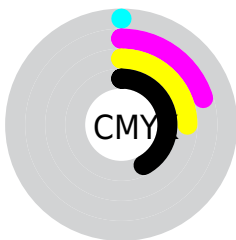
Blue (43%)



Red (58%)

Yellow (47%)

Blue (43%)

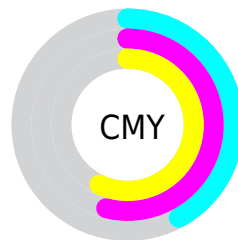


Cyan (0%)

Magenta (20%)

Yellow (25%)

Black (42%)



Cyan (42%)

Magenta (54%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 13.483, 38.060 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, 13.483, 38.060 by changing the saturation by 10% instead.

■ 52, 13.483, 38.060

■ 52, 13.483, 38.060

■ 100, 13.483,
38.060

■ 42, 13.483, 38.060

■ 72, 13.483, 38.060

■ 32, 13.483, 38.060

■ 82, 13.483, 38.060

■ 22, 13.483, 38.060

■ 92, 13.483, 38.060

■ 12, 13.483, 38.060

■ 2, 13.483, 38.060

■ 0, 13.483, 38.060

■ 52, 13.483, 38.060

■ 52, 13.483, 38.060

■ 49, 19.630, 38.248

■ 56, 7.795, 38.021

■ 45, 26.251, 38.604

■ 59, 2.540, 37.993

42, 33.326, 39.177

63, 2.319, 218.525

39, 40.782, 39.986

67, 6.823, 218.636

37, 48.450, 41.006

70, 11.012,
218.893

34, 55.960, 42.080

74, 14.922,
219.194

33, 62.566, 42.838

32, 65.535, 43.360

78, 18.588,
219.521

81, 22.040,
219.863

85, 25.303,
220.212

Harmonies

Complementary

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



52, 13.483, 38.060



56, 11.419, 219.124

Rectangle

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



52, 13.483, 38.060



52, 13.483, 88.060



52, 13.483, 218.060



52, 13.483, 268.060

Sweetspot

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



52, 13.482, 38.068



74, 4.958, 38.021



51, 22.684, 331.478



39, 3.571, 38.023



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, 13.482, 38.068



64, 20.363, 38.147



57, 15.207, 89.336



29, 2.851, 38.023



30, 61.999, 43.244



1, 2.411, 38.235

Inverse Universe

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



56, 11.419, 219.124



71, 16.548, 219.442



51, 15.198, 276.016



30, 2.695, 218.545



43, 27.622, 232.248



2, 2.412, 218.255

Previews

White Background



This preview shows how the CIELCh color 52, 13.483, 38.060 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, 13.483, 38.060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

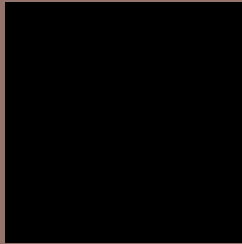
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 13.483, 38.060

Background



This preview shows how black text looks on a background with the CIELCh color 52, 13.483, 38.060.

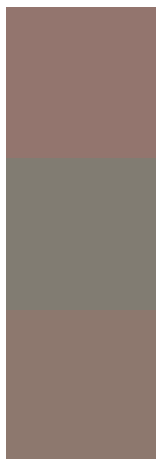


This preview shows how white text looks on a background with the CIELCh color 52, 13.483, 38.060.

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, 13.483, 38.060

Protanopia

52, 6.129, 89.707

Deuteranopia

52, 10.670, 52.797



Tritanopia
52, 14.835, 0.764

Trichromacy



Original Color
52, 13.483, 38.060

Protanomaly
52, 7.847, 61.189

Deuteranomaly
52, 11.509, 47.070

Tritanomaly
52, 13.402, 13.583

Monochromacy



Original Color
52, 13.483, 38.060

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 4.638, 34.207

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 13.483, 38.060 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(147, 117, 110)` looks like.

```
.text, #text, p{  
    color:rgb(147, 117, 110)  
}
```

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(147, 117, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 117, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 13.483, 38.060 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(147, 117, 110) }
```

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

```
.border{ border-color:rgb(147, 117, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 117, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 117, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 117, 110);  
box-shadow:4px 4px 4px 4px rgb(147, 117,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 13.483, 38.060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 117, 110) }
```

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

```
.background{ background-color: rgb(147,  
117, 110) }
```

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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