

Converting Colors

CIELCh(52, 38.138, 76.030)

Have a look what the booklet for
CIELCh(52, 38.138, 76.030) contains.

CIELCh(52, 38.138, 76.030)	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, 38.138, 76.030)

Conversions

Conversions Part 1

Format	Color
Hex	9D753C
RGB	157, 117, 60
RGB Percent	62%, 46%, 24%
CMY	0.3852, 0.5420, 0.7655
CMYK	0.00, 0.25, 0.62, 0.39
HSL	35°, 45%, 42%
HSV	35°, 62%, 61%
XYZ	21.0082, 20.1443, 7.0292
YIQ	122.4620, 42.1370, -9.2470

Conversions

Conversions Part 2

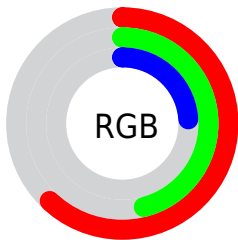
Format	Color
RYB	128, 157, 60
Decimal	10319164
CIELab	52.00, 9.21, 37.01
CIElCh	52, 38.138, 76.030
Yxy	20.1443, 0.4360, 0.4181
Android (android.graphics.Color)	4288509244 (0xFF9D753C)
YUV	122.4620, -30.7938, 30.2898
Hunter-Lab	44.8824, 5.0064, 22.1321

Details

The CIELCh color **52, 38.138, 76.030** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **42, 35.459, 276.917**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 38.218, 76.191**, and **32, 38.034, 76.328** is the 20% darker color. If you saturate the color by 10%, you get **50, 44.418, 74.495**, and if you desaturate by 10%, it is **54, 31.673, 77.473**.

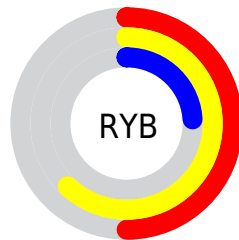
Distribution



Red (62%)

Green (46%)

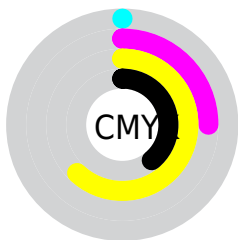
Blue (24%)



Red (50%)

Yellow (62%)

Blue (24%)

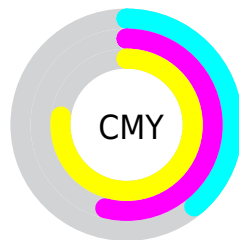


Cyan (0%)

Magenta (25%)

Yellow (62%)

Black (39%)



Cyan (39%)

Magenta (54%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 38.138, 76.030 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, 38.138, 76.030 by changing the saturation by 10% instead.

■ 52, 38.138, 76.030

■ 52, 38.138, 76.030

■ 100, 38.138,
76.030

■ 42, 38.138, 76.030

■ 72, 38.138, 76.030

■ 32, 38.138, 76.030

■ 82, 38.138, 76.030

■ 22, 38.138, 76.030

■ 92, 38.138, 76.030

■ 12, 38.138, 76.030

■ 2, 38.138, 76.030

■ 0, 38.138, 76.030

■ 52, 38.138, 76.030

■ 52, 38.138, 76.030

■ 50, 44.418, 74.495

■ 54, 31.673, 77.473

■ 48, 50.130, 72.758

■ 56, 25.231, 78.858

47, 54.663, 70.638

58, 18.917, 80.204

45, 57.639, 68.738

60, 12.774, 81.515

62, 6.817, 82.781

64, 1.042, 83.823

66, 4.559, 265.321

69, 10.001,
266.448

71, 15.298,
267.549

Harmonies

Complementary

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



52, 38.138, 76.030



42, 35.459, 276.917

Rectangle

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



52, 38.138, 76.030



52, 38.138, 126.030



52, 38.138, 256.030



52, 38.138, 306.030

Sweetspot

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



52, 38.138, 76.034



77, 13.710, 81.834



40, 44.428, 356.488



40, 9.455, 81.492



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



52, 38.138, 76.034



64, 56.600, 73.902



62, 50.989, 108.652



32, 3.261, 83.098



41, 53.806, 69.037



3, 4.107, 81.371

Inverse Universe

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



42, 35.459, 276.917



49, 52.852, 281.537



31, 60.821, 301.423



31, 3.232, 265.541



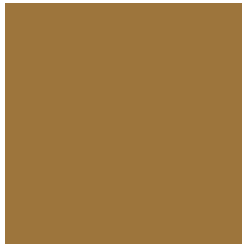
27, 54.306, 290.650



2, 4.309, 266.239

Previews

White Background



This preview shows how the CIELCh color 52, 38.138, 76.030 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, 38.138, 76.030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

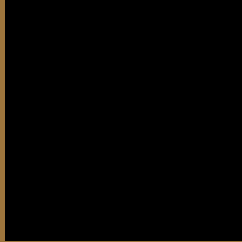
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 38.138, 76.030

Background



This preview shows how black text looks on a background with the CIELCh color 52, 38.138, 76.030.



This preview shows how white text looks on a background with the CIELCh color 52, 38.138, 76.030.

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, 38.138, 76.030

Protanopia

52, 35.448, 95.810

Deuteranopia

52, 37.802, 79.687



Tritanopia
52, 21.824, 8.529

Trichromacy



Original Color
52, 38.138, 76.030

Protanomaly
52, 35.791, 88.132

Deuteranomaly
52, 38.038, 79.063

Tritanomaly
52, 22.903, 43.475

Monochromacy



Original Color
52, 38.138, 76.030

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 13.849, 80.520

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 38.138, 76.030 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(157, 117, 60)` looks like.

```
.text, #text, p{  
    color:rgb(157, 117, 60)  
}
```

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(157, 117, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 117, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 38.138, 76.030 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(157, 117, 60) }
```

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

```
.border{ border-color:rgb(157, 117, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 117, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 117, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 117, 60);  
box-shadow:4px 4px 4px 4px rgb(157, 117,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 38.138, 76.030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 117, 60) }
```

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

```
.background{ background-color: rgb(157,  
117, 60) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor