

Converting Colors

CIELCh(52, 12.523, 105.754)

Have a look what the booklet for
CIELCh(52, 12.523, 105.754)
contains.

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Color

CIELCh(52, 12.707, 104.715)

Conversions

Conversions Part 1

Format	Color
Hex	7F7D67
RGB	127, 125, 103
RGB Percent	50%, 49%, 40%
CMY	0.5021, 0.5099, 0.5962
CMYK	0.00, 0.02, 0.19, 0.50
HSL	55°, 10%, 45%
HSV	55°, 19%, 50%
XYZ	18.5210, 20.1443, 15.7337
YIQ	123.0900, 8.2540, -6.4180

Conversions

Conversions Part 2

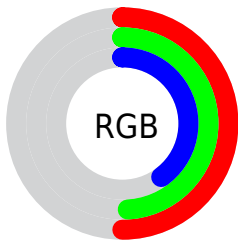
Format	Color
R_{YB}	105, 127, 103
Decimal	8355175
CIE Lab	52.00, -3.23, 12.29
CIE LCh	52, 12.707, 104.715
Yxy	20.1443, 0.3405, 0.3703
Android (android.graphics.Color)	4286545255 (0xFF7F7D67)
YUV	123.0900, -9.9044, 3.4291
Hunter-Lab	44.8824, -4.8853, 10.6333

Details

The CIELCh color $52, 12.707, 104.715$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 13.149, 288.740$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 13.002, 105.424$, and $32, 12.575, 103.564$ is the 20% darker color. If you saturate the color by 10%, you get $51, 19.389, 103.707$, and if you desaturate by 10%, it is $53, 5.985, 105.718$.

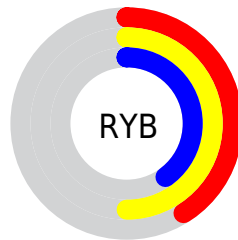
Distribution



Red (50%)

Green (49%)

Blue (40%)



Red (41%)

Yellow (50%)

Blue (40%)

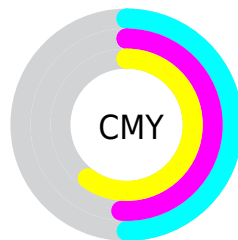


Cyan (0%)

Magenta (2%)

Yellow (19%)

Black (50%)



Cyan (50%)


Magenta (51%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 12.707, 104.715 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, 12.707, 104.715 by changing the saturation by 10% instead.


 52, 12.707,
104.715


 52, 12.707,
104.715


 100, 12.707,
104.715


 42, 12.707,
104.715


 72, 12.707,
104.715

 32, 12.707,
104.715

 82, 12.707,
104.715

 22, 12.707,
104.715

 92, 12.707,
104.715

 12, 12.707,
104.715

 2, 12.707, 104.715

 0, 12.707, 104.715

■ 52, 12.707,
104.715

■ 52, 12.707,
104.715

■ 51, 19.389,
103.707

■ 53, 5.985, 105.718

■ 51, 25.970,
102.693

■ 53, 0.746, 286.806

■ 54, 7.461, 287.674

■ 50, 32.359,
101.691

■ 55, 14.146,
288.589

■ 50, 38.412,
100.721

■ 55, 20.793,
289.470

■ 50, 43.909, 99.801

■ 56, 27.395,
290.310

■ 49, 48.544, 98.952

■ 57, 33.948,
291.110

■ 49, 51.956, 98.190

■ 48, 54.291, 97.501

■ 58, 40.450,
291.868

■ 48, 54.556, 97.426

■ 59, 46.896,
292.584

Harmonies

Complementary

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



52, 12.707, 104.715



45, 13.149, 288.740

Rectangle

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



52, 12.707, 104.715



52, 12.707, 154.715



52, 12.707, 284.715



52, 12.707, 334.715

Sweetspot

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



52, 12.708, 104.721



68, 5.014, 105.986



46, 10.228, 14.077



35, 3.352, 105.936



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



52, 12.708, 104.721



66, 19.216, 104.251



52, 14.471, 125.221



27, 3.802, 105.698



49, 54.722, 97.424



0, 0.000, 0.000

Inverse Universe

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



45, 13.149, 288.740



56, 20.065, 289.365



45, 14.901, 307.042



25, 3.869, 287.564



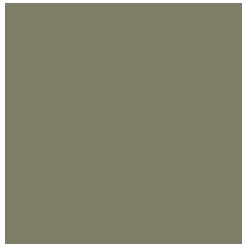
14, 75.734, 304.743



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 52, 12.707, 104.715 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 CIELCh color 52, 12.707, 104.715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

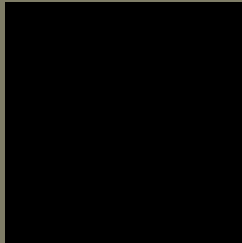
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 12.707, 104.715

Background



This preview shows how black text looks on a background with the CIELCh color 52, 12.707, 104.715.



This preview shows how white text looks on a background with the CIELCh color 52, 12.707, 104.715.

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

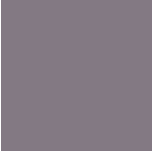
52, 12.707, 104.715

Protanopia

52, 13.043, 95.251

Deuteranopia

52, 13.621, 59.481



Tritanopia
52, 7.060, 324.817

Trichromacy



Original Color
52, 12.707, 104.715

Protanomaly
52, 12.950, 97.107

Deuteranomaly
52, 12.043, 74.109

Tritanomaly
52, 3.294, 29.747

Monochromacy



Original Color
52, 12.707, 104.715

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 4.628, 109.577

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 12.707, 104.715 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(127, 125, 103)` looks like.

```
.text, #text, p{  
    color:rgb(127, 125, 103)  
}
```

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(127, 125, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 125, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 12.707, 104.715 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(127, 125, 103) }
```

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

```
.border{ border-color:rgb(127, 125, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 125, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 125, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 125, 103);  
box-shadow:4px 4px 4px 4px rgb(127, 125,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 12.707, 104.715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 125, 103) }
```

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

```
.background{ background-color: rgb(127,  
125, 103) }
```

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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