

Converting Colors

CIELCh(52, 11.790, 87.507)

Have a look what the booklet for
CIELCh(52, 11.790, 87.507) contains.

CIELCh(52, 11.790, 87.507)	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, 11.790, 87.507)

Conversions

Conversions Part 1

Format	Color
Hex	857B68
RGB	133, 123, 104
RGB Percent	52%, 48%, 41%
CMY	0.4785, 0.5177, 0.5922
CMYK	0.00, 0.08, 0.22, 0.48
HSL	39°, 12%, 46%
HSV	39°, 22%, 52%
XYZ	19.2473, 20.1443, 15.9648
YIQ	123.8240, 12.0590, -3.7890

Conversions

Conversions Part 2

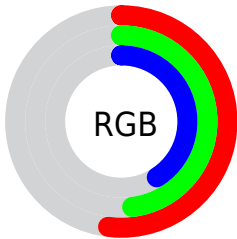
Format	Color
RYB	119, 133, 104
Decimal	8747880
CIELab	52.00, 0.51, 11.78
CIElCh	52, 11.790, 87.507
Yxy	20.1443, 0.3477, 0.3639
Android (android.graphics.Color)	4286937960 (0xFF857B68)
YUV	123.8240, -9.7732, 8.0474
Hunter-Lab	44.8824, -1.9968, 10.3280

Details

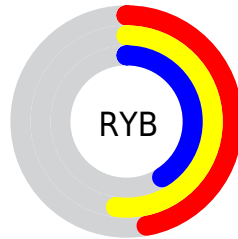
The CIELCh color **52, 11.790, 87.507** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **48, 11.703, 273.247**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 11.681, 87.255**, and **32, 11.570, 86.396** is the 20% darker color. If you saturate the color by 10%, you get **50, 17.380, 86.232**, and if you desaturate by 10%, it is **54, 6.312, 88.752**.

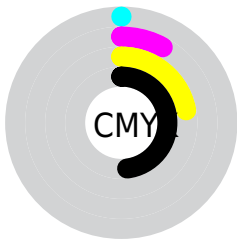
Distribution



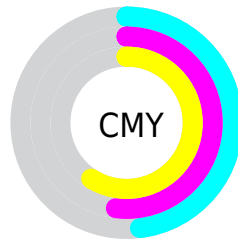
- Red (52%)
- Green (48%)
- Blue (41%)



- Red (47%)
- Yellow (52%)
- Blue (41%)



- Cyan (0%)
- Magenta (8%)
- Yellow (22%)
- Black (48%)



- Cyan (48%)
- Magenta (52%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 11.790, 87.507 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, 11.790, 87.507 by changing the saturation by 10% instead.

■ 52, 11.790, 87.507

■ 52, 11.790, 87.507

■ 100, 11.790,
87.507

■ 42, 11.790, 87.507

■ 72, 11.790, 87.507

■ 32, 11.790, 87.507

■ 82, 11.790, 87.507

■ 22, 11.790, 87.507

■ 92, 11.790, 87.507

■ 12, 11.790, 87.507

■ 2, 11.790, 87.507

■ 0, 11.790, 87.507

■ 52, 11.790, 87.507

■ 52, 11.790, 87.507

■ 50, 17.380, 86.232

■ 54, 6.312, 88.752

■ 49, 23.055, 84.909

■ 55, 0.950, 89.796

47, 28.765, 83.547

57, 4.296, 271.198

46, 34.406, 82.132

59, 9.432, 272.292

45, 39.786, 80.635

60, 14.464,
273.354

43, 44.575, 78.988

62, 19.402,
274.369

42, 48.282, 77.063

41, 50.888, 75.438

64, 24.253,
275.336

65, 29.023,
276.255

67, 33.721,
277.125

Harmonies

Complementary

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



52, 11.790, 87.507



48, 11.703, 273.247

Rectangle

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



52, 11.790, 87.507



52, 11.790, 137.507



52, 11.790, 267.507



52, 11.790, 317.507

Sweetspot

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



52, 11.791, 87.515



69, 4.621, 89.300



47, 13.381, 354.689



36, 2.992, 89.248



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



52, 11.791, 87.515



66, 17.552, 86.906



54, 16.627, 114.490



27, 2.998, 89.072



40, 50.078, 75.506



0, 0.713, 90.200

Inverse Universe

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



48, 11.703, 273.247



59, 17.388, 274.052



45, 17.425, 297.860



26, 2.995, 271.390



22, 56.486, 294.819



0, 0.714, 270.207

Previews

White Background



This preview shows how the CIELCh color 52, 11.790, 87.507 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, 11.790, 87.507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

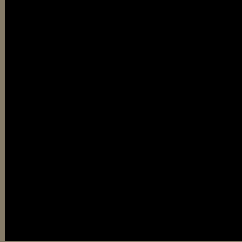
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 11.790, 87.507

Background



This preview shows how black text looks on a background with the CIELCh color 52, 11.790, 87.507.



This preview shows how white text looks on a background with the CIELCh color 52, 11.790, 87.507.

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, 11.790, 87.507

Protanopia

52, 11.922, 94.201

Deuteranopia

52, 13.228, 57.708



Tritanopia
52, 8.957, 340.089

Trichromacy



Original Color
52, 11.790, 87.507

Protanomaly
52, 12.038, 92.220

Deuteranomaly
52, 11.973, 66.110

Tritanomaly
52, 6.145, 20.033

Monochromacy



Original Color
52, 11.790, 87.507

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 4.220, 92.745

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 11.790, 87.507 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(133, 123, 104)` looks like.

```
.text, #text, p{  
    color:rgb(133, 123, 104)  
}
```

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(133, 123, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 123, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 11.790, 87.507 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(133, 123, 104) }
```

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

```
.border{ border-color:rgb(133, 123, 104) }
```

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

Here you see how a box with a 4 pixel rgb(133, 123, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 123, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 123, 104);  
box-shadow:4px 4px 4px 4px rgb(133, 123,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 11.790, 87.507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 123, 104) }
```

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

```
.background{ background-color: rgb(133,  
123, 104) }
```

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