

Converting Colors

CIELCh(52, 10.072, 90.470)

Have a look what the booklet for
CIELCh(52, 10.072, 90.470) contains.

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Color

CIELCh(52, 9.850, 88.889)

Conversions

Conversions Part 1

Format	Color
Hex	837B6B
RGB	131, 123, 107
RGB Percent	51%, 48%, 42%
CMY	0.4852, 0.5166, 0.5794
CMYK	0.00, 0.06, 0.18, 0.49
HSL	40°, 10%, 47%
HSV	40°, 18%, 51%
XYZ	19.1840, 20.1443, 16.8578
YIQ	123.5680, 9.9040, -3.2800

Conversions

Conversions Part 2

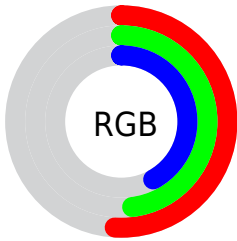
Format	Color
R_{YB}	119, 131, 107
Decimal	8616811
CIE Lab	52.00, 0.19, 9.85
CIE LCh	52, 9.850, 88.889
Yxy	20.1443, 0.3414, 0.3585
Android (android.graphics.Color)	4286806891 (0xFF837B6B)
YUV	123.5680, -8.1680, 6.5179
Hunter-Lab	44.8824, -2.2483, 9.1484

Details

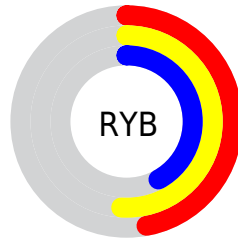
The CIELCh color $52, 9.850, 88.889$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 9.816, 273.602$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 9.865, 88.305$, and $32, 9.439, 88.119$ is the 20% darker color. If you saturate the color by 10%, you get $50, 15.391, 87.637$, and if you desaturate by 10%, it is $54, 4.416, 90.105$.

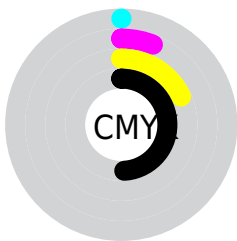
Distribution



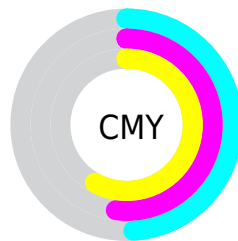
- Red (51%)
- Green (48%)
- Blue (42%)



- Red (47%)
- Yellow (51%)
- Blue (42%)



- Cyan (0%)
- Magenta (6%)
- Yellow (18%)
- Black (49%)



- Cyan (49%)
- Magenta (52%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 9.850, 88.889 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, 9.850, 88.889 by changing the saturation by 10% instead.

■ 52, 9.850, 88.889 ■ 52, 9.850, 88.889

■ 100, 9.850, 88.889 ■ 42, 9.850, 88.889

■ 72, 9.850, 88.889 ■ 32, 9.850, 88.889

■ 82, 9.850, 88.889 ■ 22, 9.850, 88.889

■ 92, 9.850, 88.889 ■ 12, 9.850, 88.889

■ 2, 9.850, 88.889

■ 0, 9.850, 88.889

■ 52, 9.850, 88.889 ■ 52, 9.850, 88.889

■ 50, 15.391, 87.637 ■ 54, 4.416, 90.105

■ 49, 21.017, 86.336 ■ 55, 0.909, 271.526

48, 26.689, 84.996

57, 6.126, 272.501

46, 32.322, 83.611

58, 11.240,
273.580

45, 37.758, 82.161

60, 16.259,
274.619

43, 42.724, 80.595

42, 46.789, 78.818

62, 21.189,
275.611

41, 49.872, 76.834

63, 26.037,
276.553

41, 50.453, 76.529

65, 30.811,
277.448

67, 35.516,
278.296

Harmonies

Complementary

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



52, 9.850, 88.889



48, 9.816, 273.602

Rectangle

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



52, 9.850, 88.889



52, 9.850, 138.889



52, 9.850, 268.889



52, 9.850, 318.889

Sweetspot

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



52, 9.851, 88.898



69, 3.290, 90.461



48, 10.954, 355.413



36, 2.264, 90.396



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, 9.851, 88.898



66, 14.760, 88.372



54, 13.837, 115.432



27, 3.032, 90.006



40, 50.117, 76.557



0, 0.722, 91.127

Inverse Universe

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



48, 9.816, 273.602



60, 14.691, 274.265



46, 14.380, 298.129



26, 3.032, 272.309



21, 57.544, 295.496



0, 0.722, 271.134

Previews

White Background



This preview shows how the CIELCh color 52, 9.850, 88.889 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, 9.850, 88.889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

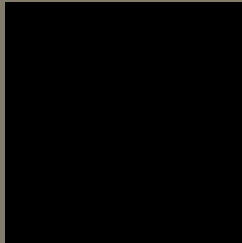
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 9.850, 88.889

Background



This preview shows how black text looks on a background with the CIELCh color 52, 9.850, 88.889.



This preview shows how white text looks on a background with the CIELCh color 52, 9.850, 88.889.

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, 9.850, 88.889

Protanopia

52, 10.135, 94.436

Deuteranopia

52, 11.770, 52.783



Tritanopia
52, 7.672, 337.388

Trichromacy



Original Color
52, 9.850, 88.889

Protanomaly
52, 10.135, 94.436

Deuteranomaly
52, 10.470, 65.525

Tritanomaly
52, 4.890, 19.872

Monochromacy



Original Color
52, 9.850, 88.889

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 3.668, 90.240

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 9.850, 88.889 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(131, 123, 107)` looks like.

```
.text, #text, p{  
    color:rgb(131, 123, 107)  
}
```

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(131, 123, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 123, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 9.850, 88.889 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(131, 123, 107) }
```

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

```
.border{ border-color:rgb(131, 123, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 123, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 123, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 123, 107);  
box-shadow:4px 4px 4px 4px rgb(131, 123,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 9.850, 88.889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 123, 107) }
```

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

```
.background{ background-color: rgb(131,  
123, 107) }
```

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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