

Converting Colors

CIELCh(52, 17.772, 100.483)

Have a look what the booklet for
CIELCh(52, 17.772, 100.483)
contains.

CIELCh(52, 17.950, 100.909)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(52, 17.950, 100.909)

Conversions

Conversions Part 1

Format	Color
Hex	827D5E
RGB	130, 125, 94
RGB Percent	51%, 49%, 37%
CMY	0.4911, 0.5107, 0.6322
CMYK	0.00, 0.04, 0.28, 0.49
HSL	52°, 16%, 44%
HSV	52°, 28%, 51%
XYZ	18.4885, 20.1443, 13.4541
YIQ	122.9610, 12.9310, -8.5810

Conversions

Conversions Part 2

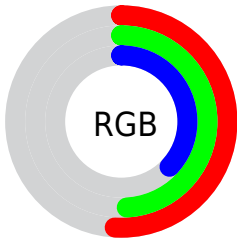
Format	Color
R_{YB}	100, 130, 94
Decimal	8551774
CIE Lab	52.00, -3.40, 17.63
CIE LCh	52, 17.950, 100.909
Yxy	20.1443, 0.3550, 0.3867
Android (android.graphics.Color)	4286741854 (0xFF827D5E)
YUV	122.9610, -14.2778, 6.1732
Hunter-Lab	44.8824, -5.0143, 13.6448

Details

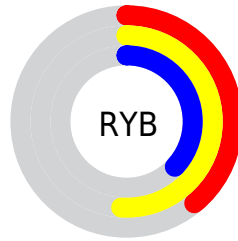
The CIELCh color $52, 17.950, 100.909$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $43, 18.735, 287.357$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 17.930, 101.988$, and $32, 17.562, 100.595$ is the 20% darker color. If you saturate the color by 10%, you get $51, 24.369, 99.825$, and if you desaturate by 10%, it is $53, 11.476, 101.988$.

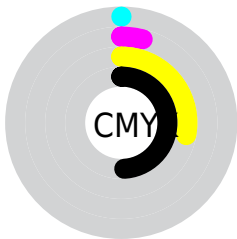
Distribution



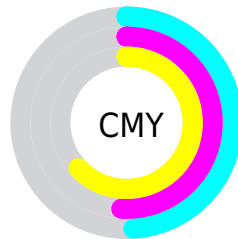
- Red (51%)
- Green (49%)
- Blue (37%)



- Red (39%)
- Yellow (51%)
- Blue (37%)



- Cyan (0%)
- Magenta (4%)
- Yellow (28%)
- Black (49%)





- Cyan (49%)
- Magenta (51%)
- Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 17.950, 100.909 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, 17.950, 100.909 by changing the saturation by 10% instead.


 52, 17.950,
100.909


 52, 17.950,
100.909


 100, 17.950,
100.909


 42, 17.950,
100.909

 72, 17.950,
100.909

 32, 17.950,
100.909

 82, 17.950,
100.909

 22, 17.950,
100.909

 92, 17.950,
100.909

 12, 17.950,
100.909

 2, 17.950, 100.909

 0, 17.950, 100.909

■ 52, 17.950,
100.909

■ 52, 17.950,
100.909

■ 51, 24.369, 99.825

■ 53, 11.476,
101.988

■ 51, 30.652, 98.732

■ 54, 4.993, 103.034

■ 50, 36.671, 97.648

■ 54, 1.472, 284.141

■ 49, 42.220, 96.583

■ 55, 7.902, 285.083

■ 49, 46.998, 95.544

■ 56, 14.287,
286.032

■ 48, 50.615, 94.530

■ 47, 53.011, 93.531

■ 57, 20.621,
286.942

■ 47, 53.563, 93.311

■ 58, 26.903,
287.811

■ 59, 33.130,
288.636

■ 60, 39.302,
289.418

Harmonies

Complementary

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



52, 17.950, 100.909



43, 18.735, 287.357

Rectangle

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



52, 17.950, 100.909



52, 17.950, 150.909



52, 17.950, 280.909



52, 17.950, 330.909

Sweetspot

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



52, 17.951, 100.914



68, 6.392, 102.988



44, 15.785, 9.928



35, 4.523, 102.853



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, 17.951, 100.914



66, 26.393, 100.259



52, 21.277, 122.230



27, 3.590, 102.895



47, 52.891, 93.330



0, 0.000, 0.000

Inverse Universe

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



43, 18.735, 287.357



52, 27.860, 288.334



42, 22.350, 305.285



25, 3.642, 284.853



15, 72.506, 303.483



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 52, 17.950, 100.909 looks on a white background.

Color Contrast Check

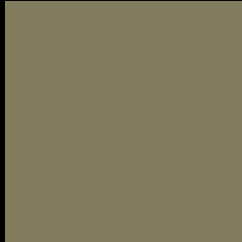
Large Text (above 18pt) WCAG AA ✓ Pass

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, 17.950, 100.909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

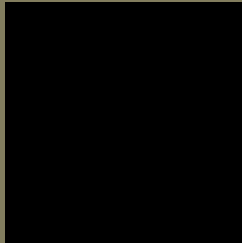
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 17.950, 100.909

Background



This preview shows how black text looks on a background with the CIELCh color 52, 17.950, 100.909.



This preview shows how white text looks on a background with the CIELCh color 52, 17.950, 100.909.

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, 17.950, 100.909

Protanopia

52, 18.282, 95.400

Deuteranopia

52, 18.498, 68.115



Tritanopia
52, 7.672, 337.388

Trichromacy



Original Color
52, 17.950, 100.909

Protanomaly
52, 18.188, 96.757

Deuteranomaly
52, 17.285, 79.271

Tritanomaly
52, 5.390, 59.694

Monochromacy



Original Color
52, 17.950, 100.909

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 6.949, 105.869

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 17.950, 100.909 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(130, 125, 94)` looks like.

```
.text, #text, p{  
    color:rgb(130, 125, 94)  
}
```

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(130, 125, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 125, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 17.950, 100.909 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(130, 125, 94) }
```

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

```
.border{ border-color:rgb(130, 125, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 125, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 125, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 125, 94);  
box-shadow:4px 4px 4px 4px rgb(130, 125,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 17.950, 100.909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 125, 94) }
```

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

```
.background{ background-color: rgb(130,  
125, 94) }
```

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