

Converting Colors

CIELCh(52, 9.985, 28.580)

Have a look what the booklet for
CIELCh(52, 9.985, 28.580) contains.

CIELCh(52, 9.772, 30.578)	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, 9.772, 30.578)

Conversions

Conversions Part 1

Format	Color
Hex	8E7774
RGB	142, 119, 116
RGB Percent	56%, 47%, 45%
CMY	0.4438, 0.5340, 0.5458
CMYK	0.00, 0.16, 0.18, 0.44
HSL	7°, 10%, 51%
HSV	7°, 18%, 56%
XYZ	20.8431, 20.1443, 19.2604
YIQ	125.5350, 14.6710, 3.9430

Conversions

Conversions Part 2

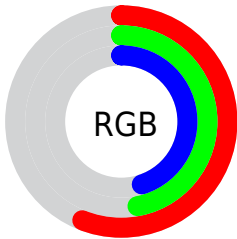
Format	Color
R_{YB}	142, 119, 116
Decimal	9336692
CIE Lab	52.00, 8.41, 4.97
CIE LCh	52, 9.772, 30.578
Yxy	20.1443, 0.3460, 0.3344
Android (android.graphics.Color)	4287526772 (0xFF8E7774)
YUV	125.5350, -4.7008, 14.4398
Hunter-Lab	44.8824, 4.3498, 5.9746

Details

The CIELCh color $52, 9.772, 30.578$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $56, 8.669, 210.117$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 9.837, 29.649$, and $32, 9.465, 32.236$ is the 20% darker color. If you saturate the color by 10%, you get $48, 15.725, 31.055$, and if you desaturate by 10%, it is $56, 4.264, 30.238$.

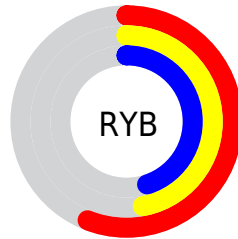
Distribution



Red (56%)

Green (47%)

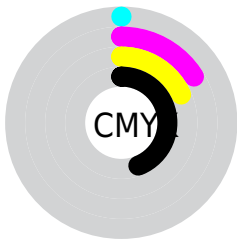
Blue (45%)



Red (56%)

Yellow (47%)

Blue (45%)

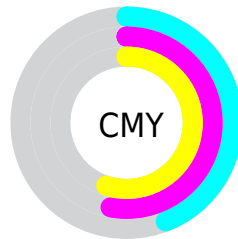


Cyan (0%)

Magenta (16%)

Yellow (18%)

Black (44%)



Cyan (44%)


Magenta (53%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 9.772, 30.578 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, 9.772, 30.578 by changing the saturation by 10% instead.

 52, 9.772, 30.578  52, 9.772, 30.578

 100, 9.772, 30.578  42, 9.772, 30.578

 72, 9.772, 30.578  32, 9.772, 30.578

 82, 9.772, 30.578  22, 9.772, 30.578

 92, 9.772, 30.578  12, 9.772, 30.578

 2, 9.772, 30.578

 0, 9.772, 30.578

 52, 9.772, 30.578  52, 9.772, 30.578

 48, 15.725, 31.055  56, 4.264, 30.238

 45, 22.138, 31.719  60, 0.824, 210.690

41, 28.996, 32.637

63, 5.531, 210.164

38, 36.238, 33.865

67, 9.896, 210.117

36, 43.743, 35.440

71, 13.957,
210.142

33, 51.277, 37.323

75, 17.752,
210.211

31, 58.374, 39.283

30, 64.201, 40.891

79, 21.311,
210.310

30, 65.072, 41.196

83, 24.665,
210.430

87, 27.838,
210.565

Harmonies

Complementary

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



52, 9.772, 30.578



56, 8.669, 210.117

Rectangle

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



52, 9.772, 30.578



52, 9.772, 80.578



52, 9.772, 210.578



52, 9.772, 260.578

Sweetspot

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



52, 9.771, 30.588



72, 3.121, 30.105



52, 16.974, 328.291



37, 2.127, 30.135



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



52, 9.771, 30.588



64, 14.724, 30.761



55, 9.912, 83.119



28, 2.918, 30.268



28, 62.504, 41.011



1, 1.905, 30.181

Inverse Universe

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



56, 8.669, 210.117



71, 12.680, 210.127



53, 9.727, 267.981



29, 2.755, 210.184



46, 27.607, 216.750



1, 1.905, 210.200

Previews

White Background



This preview shows how the CIELCh color 52, 9.772, 30.578 looks on a white background.

Color Contrast Check

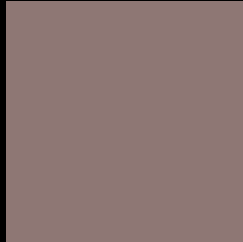
Large Text (above 18pt) WCAG AA ✓ Pass

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, 9.772, 30.578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

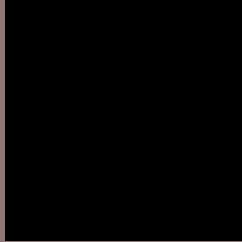
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 9.772, 30.578

Background



This preview shows how black text looks on a background with the CIELCh color 52, 9.772, 30.578.



This preview shows how white text looks on a background with the CIELCh color 52, 9.772, 30.578.

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, 9.772, 30.578

Protanopia

52, 3.822, 84.420

Deuteranopia

52, 8.252, 36.396



Tritanopia
52, 11.756, 354.557

Trichromacy



Original Color
52, 9.772, 30.578

Protanomaly
52, 5.374, 52.232

Deuteranomaly
52, 8.663, 35.648

Tritanomaly
52, 10.514, 7.955

Monochromacy



Original Color
52, 9.772, 30.578

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 3.289, 29.745

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 9.772, 30.578 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(142, 119, 116)` looks like.

```
.text, #text, p{  
    color:rgb(142, 119, 116)  
}
```

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(142, 119, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 119, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 9.772, 30.578 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(142, 119, 116) }
```

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

```
.border{ border-color:rgb(142, 119, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 119, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 119, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 119, 116);  
box-shadow:4px 4px 4px 4px rgb(142, 119,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 9.772, 30.578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 119, 116) }
```

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

```
.background{ background-color: rgb(142,  
119, 116) }
```

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