

Converting Colors

CIELCh(52, 18.872, 121.784)

Have a look what the booklet for
CIELCh(52, 18.872, 121.784)
contains.

CIELCh(52, 18.964, 122.134)	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, 18.964, 122.134)

Conversions

Conversions Part 1

Format	Color
Hex	758060
RGB	117, 128, 96
RGB Percent	46%, 50%, 38%
CMY	0.5403, 0.4971, 0.6227
CMYK	0.09, 0.00, 0.25, 0.50
HSL	81°, 14%, 44%
HSV	81°, 25%, 50%
XYZ	17.2371, 20.1443, 14.0990
YIQ	121.0630, 3.7160, -12.2840

Conversions

Conversions Part 2

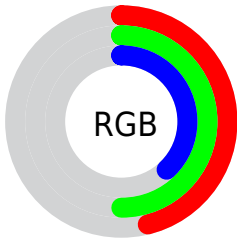
Format	Color
RYB	96, 128, 107
Decimal	7700576
CIELab	52.00, -10.09, 16.06
CIElCh	52, 18.964, 122.134
Yxy	20.1443, 0.3348, 0.3913
Android (android.graphics.Color)	4285890656 (0xFF758060)
YUV	121.0630, -12.3561, -3.5633
Hunter-Lab	44.8824, -9.9914, 12.7929

Details

The CIELCh color $52, 18.964, 122.134$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $43, 19.823, 304.884$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 18.971, 122.790$, and $32, 19.335, 122.467$ is the 20% darker color. If you saturate the color by 10%, you get $51, 26.434, 121.608$, and if you desaturate by 10%, it is $53, 11.392, 122.670$.

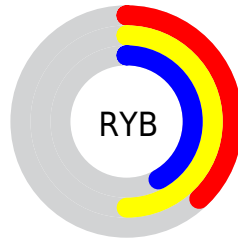
Distribution



Red (46%)

Green (50%)

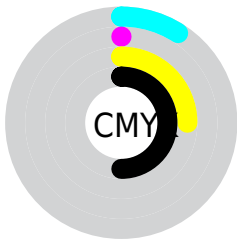
Blue (38%)



Red (38%)

Yellow (50%)

Blue (42%)

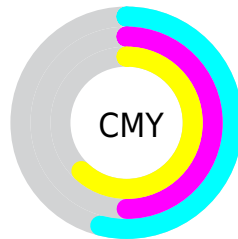


Cyan (9%)

Magenta (0%)

Yellow (25%)

Black (50%)



Cyan (54%)


Magenta (50%)


Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 18.964, 122.134 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, 18.964, 122.134 by changing the saturation by 10% instead.


 52, 18.964,
122.134


 52, 18.964,
122.134


 100, 18.964,
122.134


 42, 18.964,
122.134


 72, 18.964,
122.134

 32, 18.964,
122.134

 82, 18.964,
122.134

 22, 18.964,
122.134

 92, 18.964,
122.134

 12, 18.964,
122.134

 2, 18.964, 122.134

 0, 18.964, 122.134

■ 52, 18.964,
122.134

■ 52, 18.964,
122.134

■ 51, 26.434,
121.608

■ 53, 11.392,
122.670

■ 51, 33.707,
121.110

■ 53, 3.776, 123.198

■ 50, 40.653,
120.683

■ 54, 3.839, 303.671

■ 50, 47.079,
120.384

■ 55, 11.422,
304.149

■ 50, 52.726,
120.298

■ 56, 18.948,
304.589

■ 49, 57.281,
120.525

■ 57, 26.403,
304.996

■ 49, 60.537,
121.138

■ 57, 33.773,
305.371

■ 49, 62.037,

■ 58, 41.049,
305.716

121.454

■ 59, 48.226,
306.031

Harmonies

Complementary

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



52, 18.964, 122.134



43, 19.823, 304.884

Rectangle

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



52, 18.964, 122.134



52, 18.964, 172.134



52, 18.964, 302.134



52, 18.964, 352.134

Sweetspot

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



52, 18.965, 122.137



67, 6.571, 123.082



47, 11.307, 53.852



35, 4.303, 123.058



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, 18.965, 122.137



66, 28.045, 121.832



51, 21.605, 138.534



27, 4.270, 122.980



48, 61.777, 121.445



0, 0.000, 0.000

Inverse Universe

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



43, 19.823, 304.884



52, 29.646, 305.276



44, 21.802, 320.885



25, 4.342, 303.909



16, 76.777, 309.255



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 52, 18.964, 122.134 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, 18.964, 122.134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

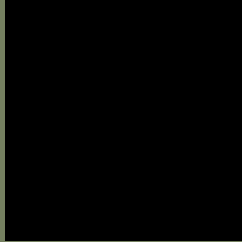
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

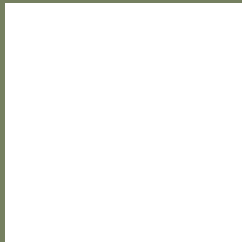
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 18.964, 122.134

Background



This preview shows how black text looks on a background with the CIELCh color 52, 18.964, 122.134.



This preview shows how white text looks on a background with the CIELCh color 52, 18.964, 122.134.

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, 18.964, 122.134

Protanopia

52, 17.628, 96.501

Deuteranopia

52, 16.827, 65.856



Tritanopia
52, 5.821, 287.119

Trichromacy



Original Color
52, 18.964, 122.134

Protanomaly
52, 17.800, 106.503

Deuteranomaly
52, 15.549, 86.918

Tritanomaly
52, 3.541, 144.278

Monochromacy



Original Color
52, 18.964, 122.134

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 7.155, 122.555

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 18.964, 122.134 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(117, 128, 96)` looks like.

```
.text, #text, p{  
    color:rgb(117, 128, 96)  
}
```

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(117, 128, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 128, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 18.964, 122.134 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(117, 128, 96) }
```

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

```
.border{ border-color:rgb(117, 128, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 128, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 128, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 128, 96);  
box-shadow:4px 4px 4px 4px rgb(117, 128,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 18.964, 122.134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 128, 96) }
```

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

```
.background{ background-color: rgb(117,  
128, 96) }
```

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