

Converting Colors

CIELCh(51, 28.394, 119.076)

Have a look what the booklet for
CIELCh(51, 28.394, 119.076)
contains.

CIELCh(51, 28.551, 119.072)	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(51, 28.551, 119.072)

Conversions

Conversions Part 1

Format	Color
Hex	717F4E
RGB	113, 127, 78
RGB Percent	44%, 50%, 31%
CMY	0.5565, 0.5016, 0.6938
CMYK	0.11, 0.00, 0.39, 0.50
HSL	77°, 24%, 40%
HSV	77°, 39%, 50%
XYZ	15.7996, 19.2686, 10.1095
YIQ	117.2280, 7.3850, -18.2070

Conversions

Conversions Part 2

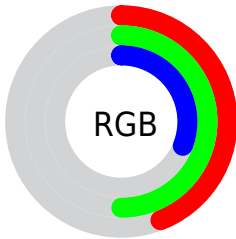
Format	Color
R_{YB}	78, 127, 92
Decimal	7438158
CIE _{Lab}	51.00, -13.87, 24.95
CIE _{LCh}	51, 28.551, 119.072
Yxy	19.2686, 0.3497, 0.4265
Android (android.graphics.Color)	4285628238 (0xFF717F4E)
YUV	117.2280, -19.3394, -3.7080
Hunter-Lab	43.8960, -12.5700, 17.0725

Details

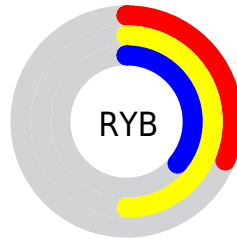
The CIELCh color **51, 28.551, 119.072** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **37, 30.876, 303.971**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 28.520, 118.899**, and **31, 28.684, 119.030** is the 20% darker color. If you saturate the color by 10%, you get **51, 35.576, 118.554**, and if you desaturate by 10%, it is **52, 21.287, 119.638**.

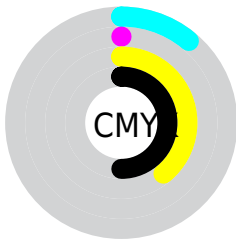
Distribution



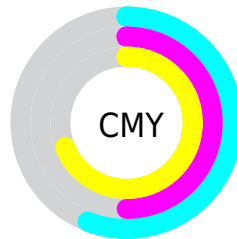
- Red (44%)
- Green (50%)
- Blue (31%)



- Red (31%)
- Yellow (50%)
- Blue (36%)



- Cyan (11%)
- Magenta (0%)
- Yellow (39%)
- Black (50%)





- Cyan (56%)
- Magenta (50%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 28.551, 119.072 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 51, 28.551, 119.072 by changing the saturation by 10% instead.


 51, 28.551,
119.072


 51, 28.551,
119.072


 100, 28.551,
119.072


 41, 28.551,
119.072


 71, 28.551,
119.072

 31, 28.551,
119.072

 81, 28.551,
119.072

 21, 28.551,
119.072

 91, 28.551,
119.072

 11, 28.551,
119.072

 1, 28.551, 119.072

 0, 28.551, 119.072

■ 51, 28.551,
119.072

■ 51, 28.551,
119.072

■ 51, 35.576,
118.554

■ 52, 21.287,
119.638

■ 50, 42.208,
118.123

■ 52, 13.883,
120.217

■ 50, 48.235,
117.844

■ 53, 6.410, 120.792

■ 49, 53.371,
117.800

■ 53, 1.085, 301.314

■ 54, 8.568, 301.870

■ 49, 57.305,
118.091

■ 55, 16.012,
302.372

■ 49, 60.166,
118.667

■ 56, 23.402,
302.841

■ 49, 60.581,
118.741

■ 56, 30.722,
303.278

■ 57, 37.963,
303.683

Harmonies

Complementary

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



51, 28.551, 119.072



37, 30.876, 303.971

Rectangle

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



51, 28.551, 119.072



51, 28.551, 169.072



51, 28.551, 299.072



51, 28.551, 349.072

Sweetspot

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



51, 28.552, 119.074



67, 11.163, 120.579



42, 18.444, 47.722



35, 7.462, 120.519



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



51, 28.552, 119.074



65, 41.952, 118.627



49, 32.510, 136.317



27, 4.231, 120.761



49, 60.723, 118.746



0, 0.000, 0.000

Inverse Universe

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



37, 30.876, 303.971



43, 46.346, 304.727



39, 33.099, 319.922



25, 4.307, 301.790



15, 77.575, 308.427



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 28.551, 119.072 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 51, 28.551, 119.072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

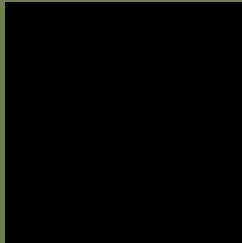
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 28.551, 119.072

Background



This preview shows how black text looks on a background with the CIELCh color 51, 28.551, 119.072.



This preview shows how white text looks on a background with the CIELCh color 51, 28.551, 119.072.

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

51, 28.551, 119.072

Protanopia

51, 26.321, 95.798

Deuteranopia

51, 24.489, 74.709



Tritanopia
51, 5.257, 286.624

Trichromacy



Original Color
51, 28.551, 119.072

Protanomaly
51, 26.309, 104.770

Deuteranomaly
51, 23.827, 92.824

Tritanomaly
51, 7.409, 128.668

Monochromacy



Original Color
51, 28.551, 119.072

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 10.682, 120.122

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 28.551, 119.072 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(113, 127, 78)` looks like.

```
.text, #text, p{  
    color:rgb(113, 127, 78)  
}
```

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(113, 127, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 127, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 28.551, 119.072 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(113, 127, 78) }
```

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

```
.border{ border-color:rgb(113, 127, 78) }
```

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

Here you see how a box with a 4 pixel rgb(113, 127, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 127, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 127, 78);  
box-shadow:4px 4px 4px 4px rgb(113, 127,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 28.551, 119.072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 127, 78) }
```

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

```
.background{ background-color: rgb(113,  
127, 78) }
```

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