

Converting Colors

CIELCh(51, 17.763, 132.150)

Have a look what the booklet for
CIELCh(51, 17.763, 132.150)
contains.

CIELCh(51, 17.868, 132.958)	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, 17.868, 132.958)

Conversions

Conversions Part 1

Format	Color
Hex	6D7F63
RGB	109, 127, 99
RGB Percent	43%, 50%, 39%
CMY	0.5733, 0.5027, 0.6124
CMYK	0.14, 0.00, 0.22, 0.50
HSL	99°, 12%, 44%
HSV	99°, 22%, 50%
XYZ	16.0940, 19.2686, 14.6314
YIQ	118.4260, -1.7400, -12.5240

Conversions

Conversions Part 2

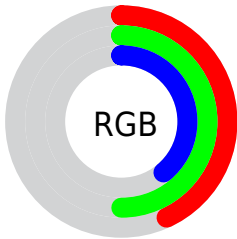
Format	Color
RYB	99, 127, 117
Decimal	7176035
CIELab	51.00, -12.18, 13.08
CIELCh	51, 17.868, 132.958
Yxy	19.2686, 0.3219, 0.3854
Android (android.graphics.Color)	4285366115 (0xFF6D7F63)
YUV	118.4260, -9.5770, -8.2666
Hunter-Lab	43.8960, -11.3730, 10.9648

Details

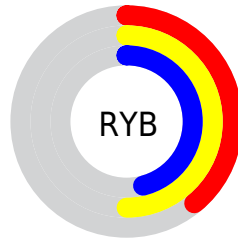
The CIELCh color **51, 17.868, 132.958** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **45, 18.222, 314.799**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 17.903, 132.875**, and **31, 18.113, 132.856** is the 20% darker color. If you saturate the color by 10%, you get **50, 25.937, 132.474**, and if you desaturate by 10%, it is **52, 9.755, 133.417**.

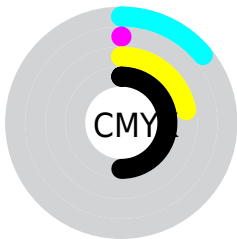
Distribution



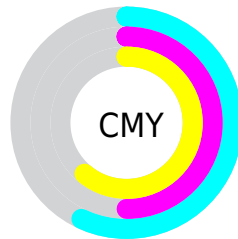
- Red (43%)
- Green (50%)
- Blue (39%)



- Red (39%)
- Yellow (50%)
- Blue (46%)



- Cyan (14%)
- Magenta (0%)
- Yellow (22%)
- Black (50%)



- Cyan (57%)
- Magenta (50%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 17.868, 132.958 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, 17.868, 132.958 by changing the saturation by 10% instead.

■ 51, 17.868,
132.958

■ 51, 17.868,
132.958

■ 100, 17.868,
132.958

■ 41, 17.868,
132.958

■ 71, 17.868,
132.958

■ 31, 17.868,
132.958

■ 81, 17.868,
132.958

■ 21, 17.868,
132.958

■ 91, 17.868,
132.958

■ 11, 17.868,
132.958

■ 1, 17.868, 132.958

■ 0, 17.868, 132.958

■ 51, 17.868,
132.958

■ 51, 17.868,
132.958

■ 50, 25.937,
132.474

■ 52, 9.755, 133.417

■ 49, 33.861,
131.976

■ 53, 1.664, 133.890

■ 49, 41.510,
131.496

■ 54, 6.356, 314.173

■ 48, 48.697,
131.087

■ 55, 14.268,
314.514

■ 48, 55.173,
130.827

■ 56, 22.047,
314.809

■ 47, 60.628,
130.825

■ 58, 29.678,
315.067

■ 47, 64.752,
131.194

■ 59, 37.151,
315.291

■ 47, 67.446,

■ 60, 44.459,
315.486

131.530

■ 62, 51.603,
315.655

Harmonies

Complementary

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



51, 17.868, 132.958



45, 18.222, 314.799

Rectangle

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



51, 17.868, 132.958



51, 17.868, 182.958



51, 17.868, 312.958



51, 17.868, 2.958

Sweetspot

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



51, 17.869, 132.959



67, 7.025, 133.634



50, 11.262, 85.637



35, 4.602, 133.614



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, 17.869, 132.959



65, 26.196, 132.741



50, 18.203, 146.867



26, 4.569, 133.549



47, 67.713, 131.538



0, 0.000, 0.000

Inverse Universe

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



45, 18.222, 314.799



55, 26.822, 314.995



45, 18.244, 329.561



25, 4.611, 314.246



21, 72.267, 315.950



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 17.868, 132.958 looks on a white background.

Color Contrast Check

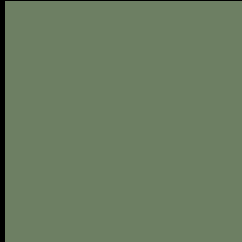
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 17.868, 132.958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

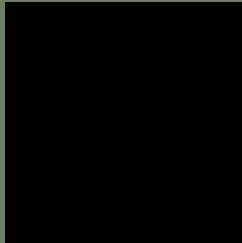
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

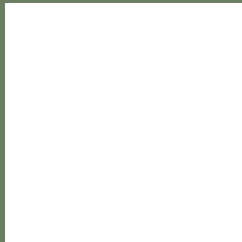
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 17.868, 132.958

Background



This preview shows how black text looks on a background with the CIELCh color 51, 17.868, 132.958.



This preview shows how white text looks on a background with the CIELCh color 51, 17.868, 132.958.

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, 17.868, 132.958

Protanopia

51, 14.892, 94.775

Deuteranopia

51, 13.744, 62.313



Tritanopia
51, 6.516, 263.030

Trichromacy



Original Color
51, 17.868, 132.958

Protanomaly
51, 15.024, 109.859

Deuteranomaly
51, 12.650, 92.794

Tritanomaly
51, 5.321, 172.904

Monochromacy



Original Color
51, 17.868, 132.958

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 6.343, 132.170

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 17.868, 132.958 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(109, 127, 99)` looks like.

```
.text, #text, p{  
    color:rgb(109, 127, 99)  
}
```

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(109, 127, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 127, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 17.868, 132.958 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(109, 127, 99) }
```

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

```
.border{ border-color:rgb(109, 127, 99) }
```

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

Here you see how a box with a 4 pixel rgb(109, 127, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 127, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 127, 99);  
box-shadow:4px 4px 4px 4px rgb(109, 127,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 17.868, 132.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 127, 99) }
```

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

```
.background{ background-color: rgb(109,  
127, 99) }
```

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