

Converting Colors

CIELCh(51, 17.372, 133.752)

Have a look what the booklet for
CIELCh(51, 17.372, 133.752)
contains.

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Color

CIELCh(51, 17.347, 133.760)

Conversions

Conversions Part 1

Format	Color
Hex	6D7F64
RGB	109, 127, 100
RGB Percent	43%, 50%, 39%
CMY	0.5735, 0.5029, 0.6087
CMYK	0.14, 0.00, 0.21, 0.50
HSL	100°, 12%, 44%
HSV	100°, 21%, 50%
XYZ	16.1252, 19.2686, 14.8674
YIQ	118.5400, -2.0610, -12.2130

Conversions

Conversions Part 2

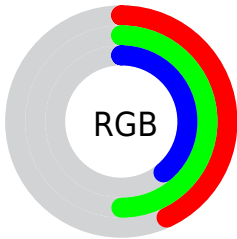
Format	Color
R_{YB}	100, 127, 118
Decimal	7176036
CIE _{Lab}	51.00, -12.00, 12.53
CIE _{LCh}	51, 17.347, 133.760
Yxy	19.2686, 0.3208, 0.3834
Android (android.graphics.Color)	4285366116 (0xFF6D7F64)
YUV	118.5400, -9.1402, -8.3666
Hunter-Lab	43.8960, -11.2462, 10.6459

Details

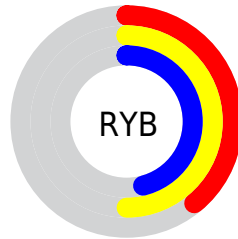
The CIELCh color $51, 17.347, 133.760$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $45, 17.653, 315.535$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 17.410, 133.610$, and $31, 17.555, 133.739$ is the 20% darker color. If you saturate the color by 10%, you get $50, 25.479, 133.269$, and if you desaturate by 10%, it is $52, 9.179, 134.223$.

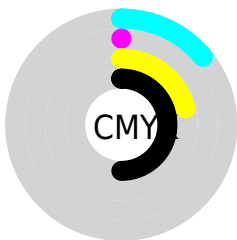
Distribution



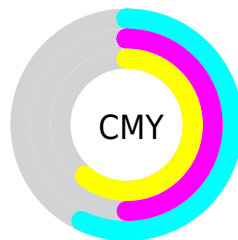
- Red (43%)
- Green (50%)
- Blue (39%)



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



- Cyan (14%)
- Magenta (0%)
- Yellow (21%)
- Black (50%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 17.347, 133.760 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, 17.347, 133.760 by changing the saturation by 10% instead.


 51, 17.347,
133.760


 51, 17.347,
133.760


 100, 17.347,
133.760


 41, 17.347,
133.760


 71, 17.347,
133.760

 31, 17.347,
133.760

 81, 17.347,
133.760

 21, 17.347,
133.760

 91, 17.347,
133.760

 11, 17.347,
133.760

 1, 17.347, 133.760

 0, 17.347, 133.760

■ 51, 17.347,
133.760

■ 51, 17.347,
133.760

■ 50, 25.479,
133.269

■ 52, 9.179, 134.223

■ 49, 33.475,
132.757

■ 53, 1.041, 134.740

■ 54, 7.017, 314.974

■ 49, 41.203,
132.255

■ 55, 14.958,
315.310

■ 48, 48.481,
131.812

■ 56, 22.759,
315.599

■ 48, 55.060,
131.504

■ 58, 30.404,
315.851

■ 47, 60.632,
131.438


■ 59, 37.883,
316.069

■ 47, 64.880,
131.728

■ 60, 45.191,
316.258

■ 46, 67.838,

132.059

 62, 52.328,
316.421

Harmonies

Complementary

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



51, 17.347, 133.760



45, 17.653, 315.535

Rectangle

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



51, 17.347, 133.760



51, 17.347, 183.760



51, 17.347, 313.760



51, 17.347, 3.760

Sweetspot

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



51, 17.348, 133.761



67, 6.057, 134.452



50, 11.178, 88.527



35, 4.050, 134.429



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, 17.348, 133.761



65, 26.378, 133.502



50, 17.135, 147.987



26, 4.598, 134.320



47, 68.129, 132.067



0, 0.000, 0.000

Inverse Universe

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



45, 17.653, 315.535



56, 26.957, 315.762



46, 17.187, 330.634



25, 4.638, 315.018



22, 71.942, 316.648



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 51, 17.347, 133.760 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, 17.347, 133.760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

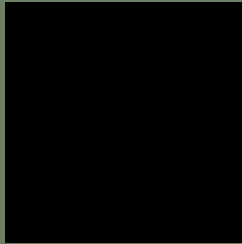
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

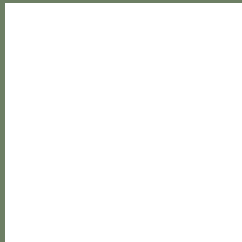
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 17.347, 133.760

Background



This preview shows how black text looks on a background with the CIELCh color 51, 17.347, 133.760.



This preview shows how white text looks on a background with the CIELCh color 51, 17.347, 133.760.

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, 17.347, 133.760

Protanopia

51, 14.330, 94.347

Deuteranopia

51, 13.330, 60.639



Tritanopia
51, 6.516, 263.030

Trichromacy



Original Color
51, 17.347, 133.760

Protanomaly
51, 14.452, 109.995

Deuteranomaly
51, 12.092, 92.166

Tritanomaly
51, 5.321, 172.904

Monochromacy



Original Color
51, 17.347, 133.760

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, 17.347, 133.760 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(109, 127, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 127, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 17.347, 133.760 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, 100) }
```

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

```
.border{ border-color:rgb(109, 127, 100) }
```

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, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 127, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 127, 100);  
box-shadow:4px 4px 4px 4px rgb(109, 127,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 17.347, 133.760 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, 100) }
```

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

```
.background{ background-color: rgb(109,  
127, 100) }
```

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](#).

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