

Converting Colors

CIELCh(51, 15.776, 100.192)

Have a look what the booklet for
CIELCh(51, 15.776, 100.192)
contains.

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Color

CIELCh(51, 15.754, 100.212)

Conversions

Conversions Part 1

Format	Color
Hex	7F7A5F
RGB	127, 122, 95
RGB Percent	50%, 48%, 37%
CMY	0.5018, 0.5214, 0.6273
CMYK	0.00, 0.04, 0.25, 0.50
HSL	51°, 14%, 44%
HSV	51°, 25%, 50%
XYZ	17.7880, 19.2686, 13.6156
YIQ	120.4170, 11.6470, -7.3370

Conversions

Conversions Part 2

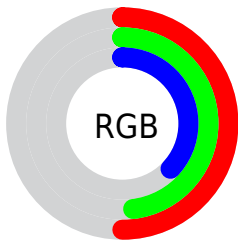
Format	Color
R_{YB}	101, 127, 95
Decimal	8354399
CIE Lab	51.00, -2.79, 15.50
CIE LCh	51, 15.754, 100.212
Yxy	19.2686, 0.3510, 0.3803
Android (android.graphics.Color)	4286544479 (0xFF7F7A5F)
YUV	120.4170, -12.5306, 5.7733
Hunter-Lab	43.8960, -4.4845, 12.3367

Details

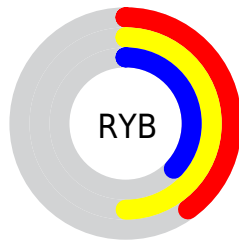
The CIELCh color **51, 15.754, 100.212** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **43, 16.320, 286.071**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 15.378, 99.671**, and **31, 15.229, 99.991** is the 20% darker color. If you saturate the color by 10%, you get **50, 21.991, 99.112**, and if you desaturate by 10%, it is **52, 9.489, 101.302**.

Distribution



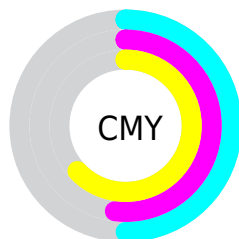
- Red (50%)
- Green (48%)
- Blue (37%)



- Red (40%)
- Yellow (50%)
- Blue (37%)



- Cyan (0%)
- Magenta (4%)
- Yellow (25%)
- Black (50%)





- Cyan (50%)
- Magenta (52%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 15.754, 100.212 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, 15.754, 100.212 by changing the saturation by 10% instead.


 51, 15.754,
100.212


 51, 15.754,
100.212


 100, 15.754,
100.212


 41, 15.754,
100.212


 71, 15.754,
100.212

 31, 15.754,
100.212

 81, 15.754,
100.212

 21, 15.754,
100.212

 91, 15.754,
100.212

 11, 15.754,
100.212

 1, 15.754, 100.212

 0, 15.754, 100.212

■ 51, 15.754,
100.212

■ 51, 15.754,
100.212

■ 50, 21.991, 99.112

■ 52, 9.489, 101.302

■ 49, 28.133, 97.996

■ 53, 3.231, 102.346

■ 49, 34.073, 96.879

■ 54, 2.997, 283.438

■ 48, 39.637, 95.771

■ 55, 9.182, 284.411

■ 47, 44.557, 94.674

■ 56, 15.317,
285.360

■ 47, 48.468, 93.586

■ 57, 21.399,
286.270

■ 46, 51.071, 92.488

■ 46, 52.246, 91.976

■ 58, 27.427,
287.136

■ 59, 33.399,
287.959

■ 60, 39.317,

Harmonies

Complementary

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



51, 15.754, 100.212



43, 16.320, 286.071

Rectangle

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



51, 15.754, 100.212



51, 15.754, 150.212



51, 15.754, 280.212



51, 15.754, 330.212

Sweetspot

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



51, 15.755, 100.217



67, 6.198, 102.041



44, 14.039, 8.321



35, 4.442, 101.903



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, 15.755, 100.217



65, 23.318, 99.609



52, 18.953, 121.717



26, 3.525, 101.946



46, 52.383, 91.971



0, 0.000, 0.000

Inverse Universe

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



43, 16.320, 286.071



53, 24.377, 286.936



42, 19.831, 304.538



25, 3.573, 283.934



16, 71.331, 303.000



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 51, 15.754, 100.212 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, 15.754, 100.212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

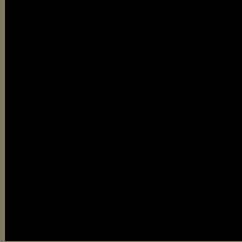
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

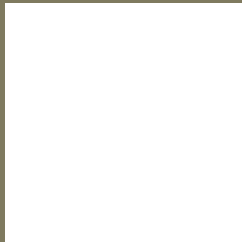
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 15.754, 100.212

Background



This preview shows how black text looks on a background with the CIELCh color 51, 15.754, 100.212.

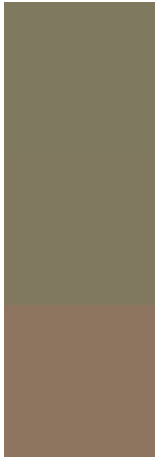


This preview shows how white text looks on a background with the CIELCh color 51, 15.754, 100.212.

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, 15.754, 100.212

Protanopia

51, 15.453, 95.166

Deuteranopia

51, 16.577, 66.913



Tritanopia
51, 7.407, 335.222

Trichromacy



Original Color
51, 15.754, 100.212

Protanomaly
51, 15.358, 96.759

Deuteranomaly
51, 15.573, 77.961

Tritanomaly
51, 5.100, 46.824

Monochromacy



Original Color
51, 15.754, 100.212

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 5.861, 101.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 15.754, 100.212 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(127, 122, 95)` looks like.

```
.text, #text, p{  
    color:rgb(127, 122, 95)  
}
```

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(127, 122, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 122, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 15.754, 100.212 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(127, 122, 95) }
```

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

```
.border{ border-color:rgb(127, 122, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 122, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 122, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 122, 95);  
box-shadow:4px 4px 4px 4px rgb(127, 122,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 15.754, 100.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 122, 95) }
```

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

```
.background{ background-color: rgb(127,  
122, 95) }
```

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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