

Converting Colors

CIELCh(51, 14.697, 107.445)

Have a look what the booklet for
CIELCh(51, 14.697, 107.445)
contains.

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Color

CIELCh(51, 14.442, 108.298)

Conversions

Conversions Part 1

Format	Color
Hex	7B7B62
RGB	123, 123, 98
RGB Percent	48%, 48%, 38%
CMY	0.5175, 0.5175, 0.6156
CMYK	0.00, 0.00, 0.20, 0.52
HSL	60°, 11%, 43%
HSV	60°, 20%, 48%
XYZ	17.4651, 19.2686, 14.3610
YIQ	120.1500, 8.0250, -7.7750

Conversions

Conversions Part 2

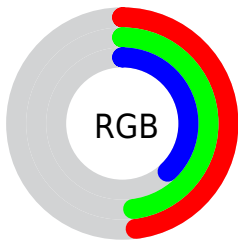
Format	Color
RYB	98, 123, 98
Decimal	8092514
CIELab	51.00, -4.53, 13.71
CIELCh	51, 14.442, 108.298
Yxy	19.2686, 0.3418, 0.3771
Android (android.graphics.Color)	4286282594 (0xFF7B7B62)
YUV	120.1500, -10.9199, 2.4995
Hunter-Lab	43.8960, -5.7976, 11.3300

Details

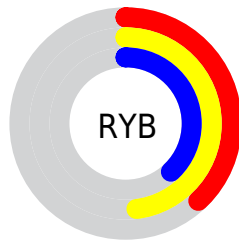
The CIELCh color $51, 14.442, 108.298$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $42, 15.106, 292.366$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 14.109, 107.154$, and $31, 14.453, 107.486$ is the 20% darker color. If you saturate the color by 10%, you get $51, 21.440, 107.379$, and if you desaturate by 10%, it is $51, 7.355, 109.228$.

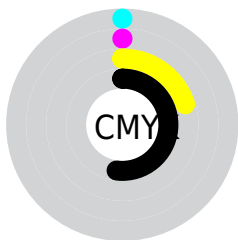
Distribution



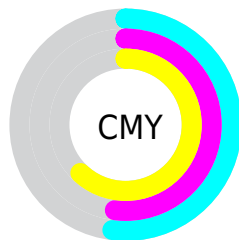
- Red (48%)
- Green (48%)
- Blue (38%)



- Red (38%)
- Yellow (48%)
- Blue (38%)



- Cyan (0%)
- Magenta (0%)
- Yellow (20%)
- Black (52%)




- Cyan (52%)
- Magenta (52%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 14.442, 108.298 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, 14.442, 108.298 by changing the saturation by 10% instead.


 51, 14.442,
108.298


 51, 14.442,
108.298


 100, 14.442,
108.298


 41, 14.442,
108.298

 71, 14.442,
108.298

 31, 14.442,
108.298

 81, 14.442,
108.298

 21, 14.442,
108.298

 91, 14.442,
108.298

 11, 14.442,
108.298

 1, 14.442, 108.298

 0, 14.442, 108.298

■ 51, 14.442,
108.298

■ 51, 14.442,
108.298

■ 51, 21.440,
107.379

■ 51, 7.355, 109.228

■ 51, 28.275,
106.474

■ 52, 0.223, 109.952

■ 52, 6.922, 291.058

■ 50, 34.839,
105.608

■ 52, 14.059,
291.927

■ 50, 40.970,
104.809

■ 53, 21.173,
292.766

■ 50, 46.437,
104.108

■ 53, 28.252,
293.569

■ 50, 50.944,
103.541

■ 54, 35.289,
294.333

■ 50, 54.187,
103.140

■ 54, 42.276,
295.057

■ 50, 56.501,

102.858

■ 55, 49.206,
295.741

Harmonies

Complementary

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



51, 14.442, 108.298



42, 15.106, 292.366

Rectangle

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



51, 14.442, 108.298



51, 14.442, 158.298



51, 14.442, 288.298



51, 14.442, 338.298

Sweetspot

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



51, 14.443, 108.303



66, 5.319, 109.609



44, 10.779, 20.779



35, 3.556, 109.563



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



51, 14.443, 108.303



65, 21.178, 107.907



50, 15.452, 128.188



26, 3.997, 109.344



51, 57.133, 102.858



96, 96.175, 102.858

Inverse Universe

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



42, 15.106, 292.366



53, 22.381, 292.919



44, 15.868, 309.974



23, 4.080, 291.075



12, 78.890, 306.288



32, 132.800, 306.287

Previews

White Background



This preview shows how the CIELCh color 51, 14.442, 108.298 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, 14.442, 108.298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

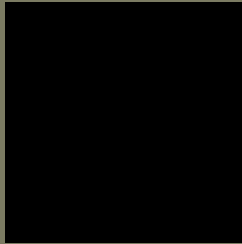
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

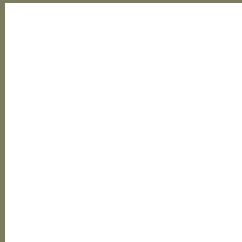
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 14.442, 108.298

Background



This preview shows how black text looks on a background with the CIELCh color 51, 14.442, 108.298.



This preview shows how white text looks on a background with the CIELCh color 51, 14.442, 108.298.

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, 14.442, 108.298

Protanopia

51, 14.330, 94.347

Deuteranopia

51, 14.927, 64.151



Tritanopia
51, 6.163, 321.696

Trichromacy



Original Color
51, 14.442, 108.298

Protanomaly
51, 14.616, 99.785

Deuteranomaly
51, 13.354, 79.464

Tritanomaly
51, 2.996, 55.041

Monochromacy



Original Color
51, 14.442, 108.298

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 5.229, 109.489

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 14.442, 108.298 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(123, 123, 98)` looks like.

```
.text, #text, p{  
    color:rgb(123, 123, 98)  
}
```

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(123, 123, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 123, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 14.442, 108.298 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(123, 123, 98) }
```

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

```
.border{ border-color:rgb(123, 123, 98) }
```

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

Here you see how a box with a 4 pixel rgb(123, 123, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 123, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 123, 98);  
box-shadow:4px 4px 4px 4px rgb(123, 123,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 14.442, 108.298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 123, 98) }
```

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

```
.background{ background-color: rgb(123,  
123, 98) }
```

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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