

Converting Colors

CIELCh(51, 13.876, 108.346)

Have a look what the booklet for
CIELCh(51, 13.876, 108.346)
contains.

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Color

CIELCh(51, 13.869, 108.374)

Conversions

Conversions Part 1

Format	Color
Hex	7B7B63
RGB	123, 123, 99
RGB Percent	48%, 48%, 39%
CMY	0.5178, 0.5177, 0.6119
CMYK	0.00, 0.00, 0.20, 0.52
HSL	60°, 11%, 44%
HSV	60°, 20%, 48%
XYZ	17.4950, 19.2686, 14.5949
YIQ	120.2640, 7.7040, -7.4640

Conversions

Conversions Part 2

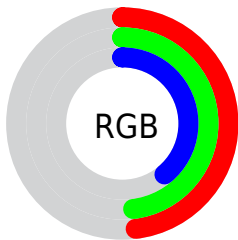
Format	Color
RYB	99, 123, 99
Decimal	8092515
CIELab	51.00, -4.37, 13.16
CIELCh	51, 13.869, 108.374
Yxy	19.2686, 0.3406, 0.3752
Android (android.graphics.Color)	4286282595 (0xFF7B7B63)
YUV	120.2640, -10.4832, 2.3995
Hunter-Lab	43.8960, -5.6757, 11.0140

Details

The CIELCh color $51, 13.869, 108.374$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $43, 14.479, 292.267$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 13.568, 107.148$, and $31, 13.835, 107.603$ is the 20% darker color. If you saturate the color by 10%, you get $51, 20.874, 107.454$, and if you desaturate by 10%, it is $51, 6.780, 109.303$.

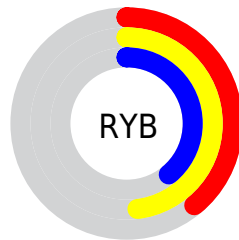
Distribution



Red (48%)

Green (48%)

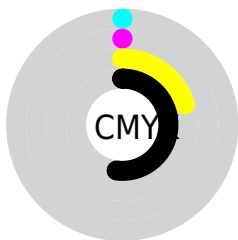
Blue (39%)



Red (39%)

Yellow (48%)

Blue (39%)

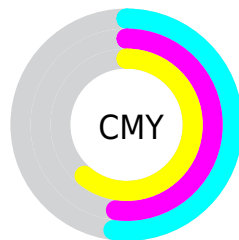


Cyan (0%)

Magenta (0%)

Yellow (20%)

Black (52%)



Cyan (52%)


Magenta (52%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 13.869, 108.374 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, 13.869, 108.374 by changing the saturation by 10% instead.


 51, 13.869,
108.374


 51, 13.869,
108.374


 100, 13.869,
108.374


 41, 13.869,
108.374


 71, 13.869,
108.374

 31, 13.869,
108.374

 81, 13.869,
108.374

 21, 13.869,
108.374

 91, 13.869,
108.374

 11, 13.869,
108.374

 1, 13.869, 108.374

 0, 13.869, 108.374

■ 51, 13.869,
108.374

■ 51, 13.869,
108.374

■ 51, 20.874,
107.454

■ 51, 6.780, 109.303

■ 51, 27.723,
106.547

■ 52, 0.351, 290.355

■ 52, 7.494, 291.130

■ 50, 34.312,
105.678

■ 52, 14.627,
291.997

■ 50, 40.483,
104.872

■ 53, 21.736,
292.833

■ 50, 46.012,
104.162

■ 53, 28.810,
293.633

■ 50, 50.606,
103.583

■ 54, 35.840,
294.394

■ 50, 53.960,
103.168

■ 54, 42.820,
295.115

■ 50, 56.364,

102.874

■ 55, 49.743,
295.795

■ 50, 56.483,
102.860

Harmonies

Complementary

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



51, 13.869, 108.374



43, 14.479, 292.267

Rectangle

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



51, 13.869, 108.374



51, 13.869, 158.374



51, 13.869, 288.374



51, 13.869, 338.374

Sweetspot

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



51, 13.870, 108.379



66, 5.319, 109.611



44, 10.317, 20.708



35, 3.556, 109.565



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, 13.870, 108.379



65, 20.306, 108.004



50, 14.835, 128.225



26, 3.997, 109.345



51, 57.133, 102.860



96, 96.175, 102.860

Inverse Universe

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



43, 14.479, 292.267



53, 21.404, 292.784



44, 15.218, 309.934



23, 4.080, 291.076



12, 78.889, 306.288



32, 132.800, 306.287

Previews

White Background



This preview shows how the CIELCh color 51, 13.869, 108.374 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, 13.869, 108.374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

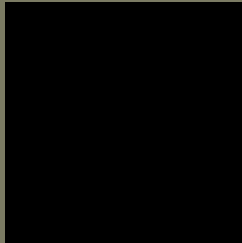
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

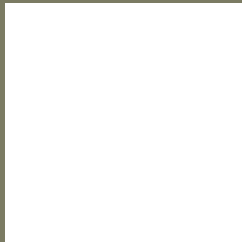
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 13.869, 108.374

Background



This preview shows how black text looks on a background with the CIELCh color 51, 13.869, 108.374.



This preview shows how white text looks on a background with the CIELCh color 51, 13.869, 108.374.

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, 13.869, 108.374

Protanopia

51, 13.769, 93.878

Deuteranopia

51, 14.171, 63.883



Tritanopia
51, 6.163, 321.696

Trichromacy



Original Color
51, 13.869, 108.374

Protanomaly
51, 14.047, 99.536

Deuteranomaly
51, 12.841, 78.343

Tritanomaly
51, 2.996, 55.041

Monochromacy



Original Color
51, 13.869, 108.374

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, 13.869, 108.374 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(123, 123, 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(123, 123, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 123, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 13.869, 108.374 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, 99) }
```

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

```
.border{ border-color:rgb(123, 123, 99) }
```

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, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 123, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 123, 99);  
box-shadow:4px 4px 4px 4px rgb(123, 123,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 13.869, 108.374 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, 99) }
```

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

```
.background{ background-color: rgb(123,  
123, 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](#).

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