

Converting Colors

CIELCh(51, 13.026, 97.088)

Have a look what the booklet for
CIELCh(51, 13.026, 97.088) contains.

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Color

CIELCh(51, 13.554, 97.452)

Conversions

Conversions Part 1

Format	Color
Hex	807A63
RGB	128, 122, 99
RGB Percent	50%, 48%, 39%
CMY	0.4997, 0.5232, 0.6133
CMYK	0.00, 0.05, 0.23, 0.50
HSL	48°, 13%, 44%
HSV	48°, 23%, 50%
XYZ	17.9818, 19.2686, 14.4765
YIQ	121.1720, 10.9590, -5.8810

Conversions

Conversions Part 2

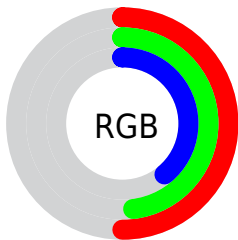
Format	Color
RYB	107, 128, 99
Decimal	8419939
CIELab	51.00, -1.76, 13.44
CIELCh	51, 13.554, 97.452
Yxy	19.2686, 0.3476, 0.3725
Android (android.graphics.Color)	4286610019 (0xFF807A63)
YUV	121.1720, -10.9308, 5.9882
Hunter-Lab	43.8960, -3.6962, 11.1740

Details

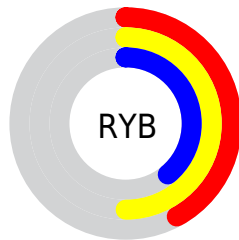
The CIELCh color **51, 13.554, 97.452** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 13.870, 282.899**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 13.317, 96.816**, and **31, 13.465, 97.366** is the 20% darker color. If you saturate the color by 10%, you get **50, 19.564, 96.298**, and if you desaturate by 10%, it is **52, 7.558, 98.587**.

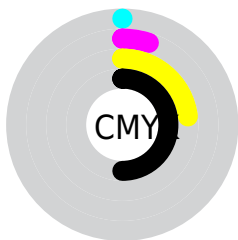
Distribution



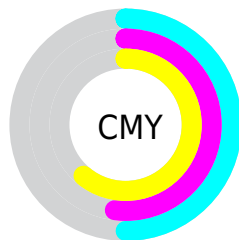
- Red (50%)
- Green (48%)
- Blue (39%)



- Red (42%)
- Yellow (50%)
- Blue (39%)



- Cyan (0%)
- Magenta (5%)
- Yellow (23%)
- Black (50%)



- Cyan (50%)
- Magenta (52%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 13.554, 97.452 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, 13.554, 97.452 by changing the saturation by 10% instead.

■ 51, 13.554, 97.452

■ 51, 13.554, 97.452

■ 100, 13.554,
97.452

■ 41, 13.554, 97.452

■ 71, 13.554, 97.452

■ 31, 13.554, 97.452

■ 81, 13.554, 97.452

■ 21, 13.554, 97.452

■ 91, 13.554, 97.452

■ 11, 13.554, 97.452

■ 1, 13.554, 97.452

■ 0, 13.554, 97.452

■ 51, 13.554, 97.452

■ 51, 13.554, 97.452

■ 50, 19.564, 96.298

■ 52, 7.558, 98.587

■ 49, 25.537, 95.113

■ 53, 1.601, 99.633

48, 31.390, 93.912

54, 4.302, 280.796

47, 36.978, 92.696

55, 10.146,
281.803

46, 42.070, 91.459

57, 15.927,
282.778

45, 46.319, 90.184

45, 49.296, 88.826

58, 21.646,
283.709

44, 51.131, 87.840

59, 27.303,
284.595

60, 32.901,
285.436

61, 38.440,
286.232

Harmonies

Complementary

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



51, 13.554, 97.452



45, 13.870, 282.899

Rectangle

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



51, 13.554, 97.452



51, 13.554, 147.452



51, 13.554, 277.452



51, 13.554, 327.452

Sweetspot

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



51, 13.555, 97.458



67, 5.139, 99.192



45, 12.787, 4.238



35, 3.366, 99.144



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, 13.555, 97.458



64, 19.983, 96.891



52, 17.017, 119.879



26, 3.343, 98.984



44, 51.108, 87.842



0, 0.000, 0.000

Inverse Universe

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



45, 13.870, 282.899



55, 20.564, 283.664



44, 17.770, 302.625



25, 3.378, 281.061



17, 67.558, 301.348



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 13.554, 97.452 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, 13.554, 97.452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

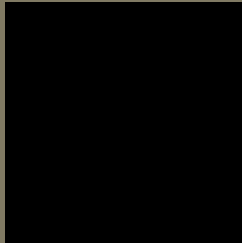
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 13.554, 97.452

Background



This preview shows how black text looks on a background with the CIELCh color 51, 13.554, 97.452.



This preview shows how white text looks on a background with the CIELCh color 51, 13.554, 97.452.

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, 13.554, 97.452

Protanopia

51, 13.769, 93.878

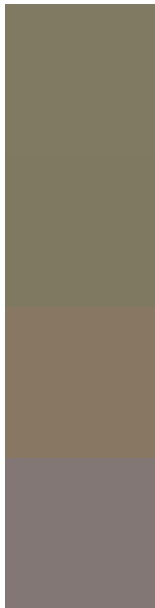
Deuteranopia

51, 14.497, 62.680



Tritanopia
51, 7.407, 335.222

Trichromacy



Original Color
51, 13.554, 97.452

Protanomaly
51, 13.664, 95.645

Deuteranomaly
51, 13.818, 76.302

Tritanomaly
51, 4.661, 34.211

Monochromacy



Original Color
51, 13.554, 97.452

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 4.712, 99.503

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 13.554, 97.452 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(128, 122, 99)` looks like.

```
.text, #text, p{  
    color:rgb(128, 122, 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(128, 122, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 122, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 13.554, 97.452 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(128, 122, 99) }
```

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

```
.border{ border-color:rgb(128, 122, 99) }
```

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

Here you see how a box with a 4 pixel rgb(128, 122, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 122, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 122, 99);  
box-shadow:4px 4px 4px 4px rgb(128, 122,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 13.554, 97.452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 122, 99) }
```

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

```
.background{ background-color: rgb(128,  
122, 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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