

Converting Colors

CIELCh(51, 13.366, 89.284)

Have a look what the booklet for
CIELCh(51, 13.366, 89.284) contains.

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Color

CIELCh(51, 13.468, 89.786)

Conversions

Conversions Part 1

Format	Color
Hex	837963
RGB	131, 121, 99
RGB Percent	51%, 47%, 39%
CMY	0.4878, 0.5270, 0.6132
CMYK	0.00, 0.08, 0.24, 0.49
HSL	41°, 14%, 45%
HSV	41°, 24%, 51%
XYZ	18.3238, 19.2686, 14.4644
YIQ	121.4820, 13.0220, -4.7220

Conversions

Conversions Part 2

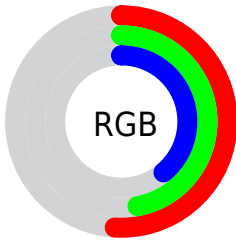
Format	Color
RYB	114, 131, 99
Decimal	8616291
CIELab	51.00, 0.05, 13.47
CIElCh	51, 13.468, 89.786
Yxy	19.2686, 0.3520, 0.3701
Android (android.graphics.Color)	4286806371 (0xFF837963)
YUV	121.4820, -11.0836, 8.3473
Hunter-Lab	43.8960, -2.3056, 11.1903

Details

The CIELCh color **51, 13.468, 89.786** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **46, 13.477, 276.186**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 13.242, 89.591**, and **31, 13.819, 91.391** is the 20% darker color. If you saturate the color by 10%, you get **50, 19.122, 88.520**, and if you desaturate by 10%, it is **52, 7.896, 91.024**.

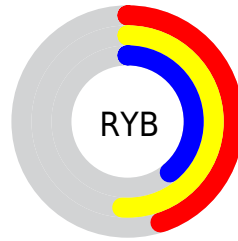
Distribution



Red (51%)

Green (47%)

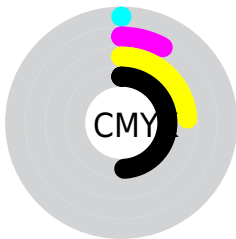
Blue (39%)



Red (45%)

Yellow (51%)

Blue (39%)

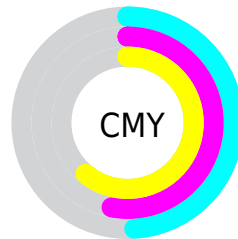


Cyan (0%)

Magenta (8%)

Yellow (24%)

Black (49%)



Cyan (49%)

Magenta (53%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 13.468, 89.786 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, 13.468, 89.786 by changing the saturation by 10% instead.

■ 51, 13.468, 89.786

■ 51, 13.468, 89.786

■ 100, 13.468,
89.786

■ 41, 13.468, 89.786

■ 71, 13.468, 89.786

■ 31, 13.468, 89.786

■ 81, 13.468, 89.786

■ 21, 13.468, 89.786

■ 91, 13.468, 89.786

■ 11, 13.468, 89.786

■ 1, 13.468, 89.786

■ 0, 13.468, 89.786

■ 51, 13.468, 89.786

■ 51, 13.468, 89.786

■ 50, 19.122, 88.520

■ 52, 7.896, 91.024

■ 48, 24.820, 87.211

■ 54, 2.418, 92.175

47, 30.492, 85.862

55, 2.961, 273.456

46, 36.010, 84.462

57, 8.242, 274.529

44, 41.141, 82.978

59, 13.430,
275.583

43, 45.517, 81.345

60, 18.530,
276.592

42, 48.693, 79.458

62, 23.550,
277.552

41, 50.393, 78.458

63, 28.494,
278.465

65, 33.368,
279.330

Harmonies

Complementary

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



51, 13.468, 89.786



46, 13.477, 276.186

Rectangle

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



51, 13.468, 89.786



51, 13.468, 139.786



51, 13.468, 269.786



51, 13.468, 319.786

Sweetspot

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



51, 13.469, 89.793



69, 4.717, 91.884



45, 14.630, 357.261



36, 3.091, 91.832



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



51, 13.469, 89.793



65, 19.955, 89.137



53, 18.435, 115.690



27, 3.096, 91.657



41, 50.239, 78.470



0, 0.738, 92.764

Inverse Universe

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



46, 13.477, 276.186



57, 19.973, 277.081



43, 19.417, 299.280



26, 3.103, 273.930



21, 59.465, 296.666



0, 0.738, 272.770

Previews

White Background



This preview shows how the CIELCh color 51, 13.468, 89.786 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, 13.468, 89.786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

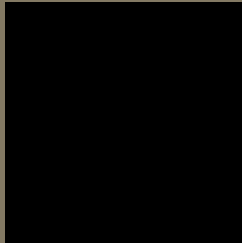
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

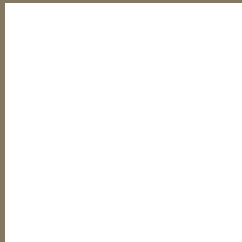
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 13.468, 89.786

Background



This preview shows how black text looks on a background with the CIELCh color 51, 13.468, 89.786.



This preview shows how white text looks on a background with the CIELCh color 51, 13.468, 89.786.

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, 13.468, 89.786

Protanopia

51, 13.209, 93.362

Deuteranopia

51, 14.927, 64.151



Tritanopia
51, 8.628, 343.073

Trichromacy



Original Color
51, 13.468, 89.786

Protanomaly
51, 13.332, 91.558

Deuteranomaly
51, 13.867, 72.088

Tritanomaly
51, 6.310, 30.598

Monochromacy



Original Color
51, 13.468, 89.786

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 4.799, 94.630

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 13.468, 89.786 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(131, 121, 99)` looks like.

```
.text, #text, p{  
    color:rgb(131, 121, 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(131, 121, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 121, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 13.468, 89.786 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(131, 121, 99) }
```

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

```
.border{ border-color:rgb(131, 121, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 121, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 121, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 121, 99);  
box-shadow:4px 4px 4px 4px rgb(131, 121,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 13.468, 89.786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 121, 99) }
```

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

```
.background{ background-color: rgb(131,  
121, 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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