

Converting Colors

CIELCh(51, 8.707, 48.416)

Have a look what the booklet for
CIELCh(51, 8.707, 48.416) contains.

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Color

CIELCh(51, 8.620, 48.089)

Conversions

Conversions Part 1

Format	Color
Hex	88766F
RGB	136, 118, 111
RGB Percent	53%, 46%, 44%
CMY	0.4675, 0.5380, 0.5655
CMYK	0.00, 0.13, 0.18, 0.47
HSL	17°, 10%, 48%
HSV	17°, 18%, 53%
XYZ	19.4317, 19.2686, 17.6755
YIQ	122.5840, 12.9750, 1.6390

Conversions

Conversions Part 2

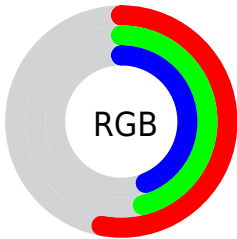
Format	Color
R_{YB}	136, 121, 111
Decimal	8943215
CIE Lab	51.00, 5.76, 6.41
CIE LCh	51, 8.620, 48.089
Yxy	19.2686, 0.3447, 0.3418
Android (android.graphics.Color)	4287133295 (0xFF88766F)
YUV	122.5840, -5.7109, 11.7658
Hunter-Lab	43.8960, 2.1994, 6.8530

Details

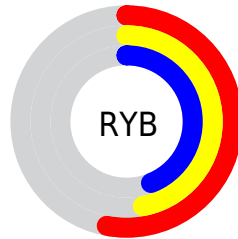
The CIELCh color $51, 8.620, 48.089$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $53, 7.761, 230.472$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 8.686, 45.849$, and $31, 8.775, 50.530$ is the 20% darker color. If you saturate the color by 10%, you get $48, 13.821, 47.698$, and if you desaturate by 10%, it is $54, 3.791, 48.540$.

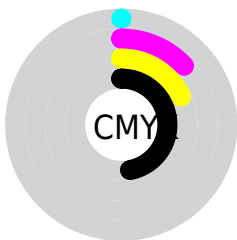
Distribution



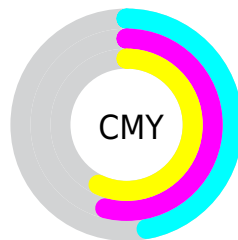
- Red (53%)
- Green (46%)
- Blue (44%)



- Red (53%)
- Yellow (47%)
- Blue (44%)



- Cyan (0%)
- Magenta (13%)
- Yellow (18%)
- Black (47%)



- Cyan (47%)
- Magenta (54%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 8.620, 48.089 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, 8.620, 48.089 by changing the saturation by 10% instead.

■ 51, 8.620, 48.089 ■ 51, 8.620, 48.089

■ 100, 8.620, 48.089 ■ 41, 8.620, 48.089

■ 71, 8.620, 48.089 ■ 31, 8.620, 48.089

■ 81, 8.620, 48.089 ■ 21, 8.620, 48.089

■ 91, 8.620, 48.089 ■ 11, 8.620, 48.089

■ 1, 8.620, 48.089

■ 0, 8.620, 48.089

■ 51, 8.620, 48.089 ■ 51, 8.620, 48.089

■ 48, 13.821, 47.698 ■ 54, 3.791, 48.540

■ 45, 19.422, 47.385 ■ 57, 0.698, 229.748

42, 25.435, 47.187

60, 4.881, 229.863

40, 31.845, 47.120

63, 8.794, 230.442

37, 38.581, 47.175

67, 12.468,
231.057

35, 45.463, 47.284

70, 15.933,
231.682

33, 52.082, 47.246

31, 58.034, 47.042

73, 19.212,
232.307

31, 58.968, 47.071

76, 22.330,
232.925

79, 25.306,
233.533

Harmonies

Complementary

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



51, 8.620, 48.089



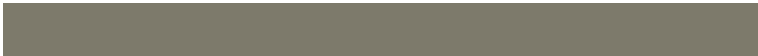
53, 7.761, 230.472

Rectangle

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



51, 8.620, 48.089



51, 8.620, 98.089



51, 8.620, 228.089



51, 8.620, 278.089

Sweetspot

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



51, 8.620, 48.101



70, 3.316, 48.622



50, 14.639, 334.155



36, 2.221, 48.604



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



51, 8.620, 48.101



64, 12.930, 47.929



54, 11.237, 96.220



27, 2.582, 48.509



30, 57.819, 47.061



1, 1.163, 49.093

Inverse Universe

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



53, 7.761, 230.472



66, 11.345, 230.848



49, 11.402, 280.665



28, 2.458, 229.779



38, 28.945, 250.824



1, 1.163, 229.113

Previews

White Background



This preview shows how the CIELCh color 51, 8.620, 48.089 looks on a white background.

Color Contrast Check

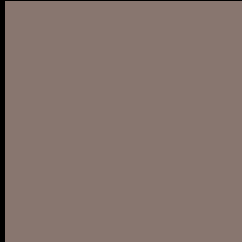
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 51, 8.620, 48.089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

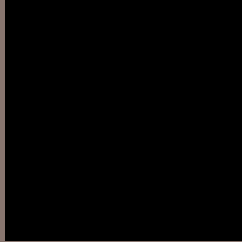
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 8.620, 48.089

Background



This preview shows how black text looks on a background with the CIELCh color 51, 8.620, 48.089.



This preview shows how white text looks on a background with the CIELCh color 51, 8.620, 48.089.

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, 8.620, 48.089

Protanopia

51, 5.073, 85.516

Deuteranopia

51, 9.144, 42.514



Tritanopia
51, 10.329, 350.269

Trichromacy



Original Color
51, 8.620, 48.089

Protanomaly
51, 6.237, 67.623

Deuteranomaly
51, 9.144, 42.514

Tritanomaly
51, 8.389, 8.411

Monochromacy



Original Color
51, 8.620, 48.089

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 3.074, 41.755

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 8.620, 48.089 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(136, 118, 111)` looks like.

```
.text, #text, p{  
    color:rgb(136, 118, 111)  
}
```

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(136, 118, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 118, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 8.620, 48.089 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(136, 118, 111) }
```

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

```
.border{ border-color:rgb(136, 118, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 118, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 118, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 118, 111);  
box-shadow:4px 4px 4px 4px rgb(136, 118,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 8.620, 48.089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 118, 111) }
```

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

```
.background{ background-color: rgb(136,  
118, 111) }
```

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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