

Converting Colors

CIELCh(51, 12.400, 68.130)

Have a look what the booklet for
CIELCh(51, 12.400, 68.130) contains.

CIELCh(51, 12.464, 67.754)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(51, 12.464, 67.754)

Conversions

Conversions Part 1

Format	Color
Hex	897666
RGB	137, 118, 102
RGB Percent	54%, 46%, 40%
CMY	0.4623, 0.5369, 0.5996
CMYK	0.00, 0.14, 0.26, 0.46
HSL	27°, 15%, 47%
HSV	27°, 26%, 54%
XYZ	19.2267, 19.2686, 15.3014
YIQ	121.8570, 16.4600, -0.9480

Conversions

Conversions Part 2

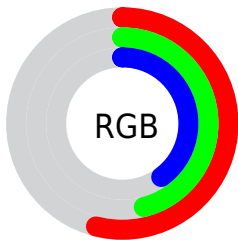
Format	Color
R_{YB}	137, 131, 102
Decimal	9008742
CIE _{Lab}	51.00, 4.72, 11.54
CIE _{LCh}	51, 12.464, 67.754
Yxy	19.2686, 0.3574, 0.3582
Android (android.graphics.Color)	4287198822 (0xFF897666)
YUV	121.8570, -9.7895, 13.2804
Hunter-Lab	43.8960, 1.3660, 10.0597

Details

The CIELCh color **51, 12.464, 67.754** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **50, 11.450, 254.208**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 12.509, 67.237**, and **31, 12.710, 67.945** is the 20% darker color. If you saturate the color by 10%, you get **49, 17.816, 66.649**, and if you desaturate by 10%, it is **53, 7.385, 68.871**.

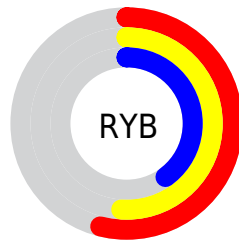
Distribution



Red (54%)

Green (46%)

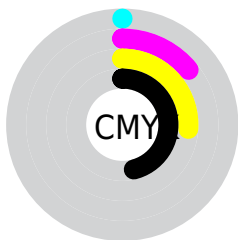
Blue (40%)



Red (54%)

Yellow (51%)

Blue (40%)

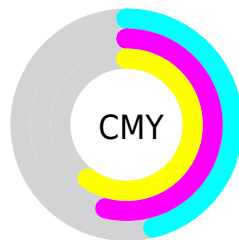


Cyan (0%)

Magenta (14%)

Yellow (26%)

Black (46%)



Cyan (46%)

Magenta (54%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 12.464, 67.754 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, 12.464, 67.754 by changing the saturation by 10% instead.

■ 51, 12.464, 67.754

■ 51, 12.464, 67.754

■ 100, 12.464,
67.754

■ 41, 12.464, 67.754

■ 71, 12.464, 67.754

■ 31, 12.464, 67.754

■ 81, 12.464, 67.754

■ 21, 12.464, 67.754

■ 91, 12.464, 67.754

■ 11, 12.464, 67.754

■ 1, 12.464, 67.754

■ 0, 12.464, 67.754

■ 51, 12.464, 67.754

■ 51, 12.464, 67.754

■ 49, 17.816, 66.649

■ 53, 7.385, 68.871

■ 46, 23.445, 65.540

■ 56, 2.561, 69.914

44, 29.331, 64.435

58, 2.028, 251.290

42, 35.400, 63.312

61, 6.408, 252.273

40, 41.482, 62.107

63, 10.600,
253.313

38, 47.222, 60.674

66, 14.626,
254.332

36, 52.115, 58.815

36, 54.446, 58.204

68, 18.507,
255.319

71, 22.258,
256.270

73, 25.895,
257.182

Harmonies

Complementary

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



51, 12.464, 67.754



50, 11.450, 254.208

Rectangle

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



51, 12.464, 67.754



51, 12.464, 117.754



51, 12.464, 247.754



51, 12.464, 297.754

Sweetspot

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



51, 12.464, 67.763



70, 4.628, 69.658



47, 18.113, 343.149



36, 3.288, 69.518



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, 12.464, 67.763



64, 19.082, 67.078



56, 18.857, 105.608



28, 2.648, 69.557



35, 53.103, 58.334



1, 1.206, 70.640

Inverse Universe

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



50, 11.450, 254.208



62, 17.126, 255.318



45, 19.868, 291.103



28, 2.579, 251.810



30, 39.731, 278.101



1, 1.206, 250.655

Previews

White Background



This preview shows how the CIELCh color 51, 12.464, 67.754 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, 12.464, 67.754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

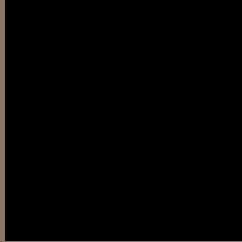
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 12.464, 67.754

Background



This preview shows how black text looks on a background with the CIELCh color 51, 12.464, 67.754.

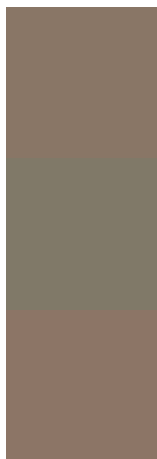


This preview shows how white text looks on a background with the CIELCh color 51, 12.464, 67.754.

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, 12.464, 67.754

Protanopia

51, 10.297, 92.085

Deuteranopia

51, 13.330, 60.639



Tritanopia
51, 11.423, 353.602

Trichromacy



Original Color

51, 12.464, 67.754

Protanomaly

51, 10.944, 83.401

Deuteranomaly

51, 12.995, 61.891

Tritanomaly

51, 9.570, 20.471

Monochromacy



Original Color

51, 12.464, 67.754

Achromatopsia

51, 0.007, 296.813

Achromatomaly

51, 4.257, 74.256

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 12.464, 67.754 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(137, 118, 102)` looks like.

```
.text, #text, p{  
    color:rgb(137, 118, 102)  
}
```

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(137, 118, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 118, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 12.464, 67.754 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(137, 118, 102) }
```

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

```
.border{ border-color:rgb(137, 118, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 118, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 118, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 118, 102);  
box-shadow:4px 4px 4px 4px rgb(137, 118,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 12.464, 67.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 118, 102) }
```

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

```
.background{ background-color: rgb(137,  
118, 102) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor