

Converting Colors

CIELCh(51, 13.580, 77.857)

Have a look what the booklet for
CIELCh(51, 13.580, 77.857) contains.

CIELCh(51, 13.580, 77.857)	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, 13.580, 77.857)

Conversions

Conversions Part 1

Format	Color
Hex	877763
RGB	135, 119, 99
RGB Percent	53%, 47%, 39%
CMY	0.4703, 0.5331, 0.6115
CMYK	0.00, 0.12, 0.27, 0.47
HSL	33°, 15%, 46%
HSV	33°, 27%, 53%
XYZ	18.8631, 19.2686, 14.5461
YIQ	121.5040, 15.9560, -2.8280

Conversions

Conversions Part 2

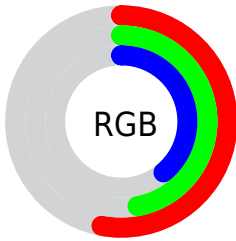
Format	Color
R_{YB}	128, 135, 99
Decimal	8877923
CIE _{Lab}	51.00, 2.86, 13.28
CIE _{LCh}	51, 13.580, 77.857
Yxy	19.2686, 0.3581, 0.3658
Android (android.graphics.Color)	4287068003 (0xFF877763)
YUV	121.5040, -11.0945, 11.8360
Hunter-Lab	43.8960, -0.1126, 11.0799

Details

The CIELCh color **51, 13.580, 77.857** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **48, 12.968, 265.156**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 13.531, 76.848**, and **31, 13.929, 78.484** is the 20% darker color. If you saturate the color by 10%, you get **49, 19.016, 76.575**, and if you desaturate by 10%, it is **53, 8.331, 79.122**.

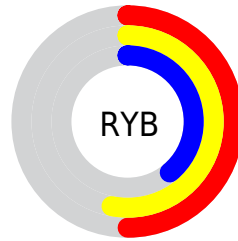
Distribution



Red (53%)

Green (47%)

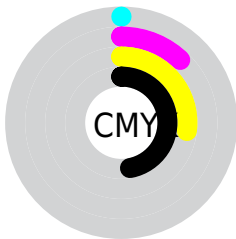
Blue (39%)



Red (50%)

Yellow (53%)

Blue (39%)

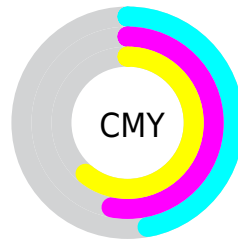


Cyan (0%)

Magenta (12%)

Yellow (27%)

Black (47%)



Cyan (47%)

Magenta (53%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 13.580, 77.857 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, 13.580, 77.857 by changing the saturation by 10% instead.

■ 51, 13.580, 77.857

■ 51, 13.580, 77.857

■ 100, 13.580,
77.857

■ 41, 13.580, 77.857

■ 71, 13.580, 77.857

■ 31, 13.580, 77.857

■ 81, 13.580, 77.857

■ 21, 13.580, 77.857

■ 91, 13.580, 77.857

■ 11, 13.580, 77.857

■ 1, 13.580, 77.857

■ 0, 13.580, 77.857

■ 51, 13.580, 77.857

■ 51, 13.580, 77.857

■ 49, 19.016, 76.575

■ 53, 8.331, 79.122

■ 47, 24.623, 75.257

■ 55, 3.267, 80.315

45, 30.354, 73.904

57, 1.623, 261.742

44, 36.100, 72.488

59, 6.353, 262.794

42, 41.641, 70.946

61, 10.937,
263.899

40, 46.580, 69.144

63, 15.390,
264.968

39, 50.548, 66.978

38, 51.988, 66.369

65, 19.726,
265.994

68, 23.957,
266.973

70, 28.095,
267.905

Harmonies

Complementary

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



51, 13.580, 77.857



48, 12.968, 265.156

Rectangle

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



51, 13.580, 77.857



51, 13.580, 127.857



51, 13.580, 257.857



51, 13.580, 307.857

Sweetspot

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



51, 13.580, 77.865



70, 4.889, 80.143



46, 17.576, 348.894



36, 3.511, 79.984



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, 13.580, 77.865



64, 20.458, 77.087



55, 20.407, 109.857



27, 2.740, 80.034



37, 50.563, 66.510



0, 0.648, 81.188

Inverse Universe

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



48, 12.968, 265.156



59, 19.307, 266.307



43, 21.688, 294.926



26, 2.706, 262.415



26, 47.381, 287.717



0, 0.648, 261.199

Previews

White Background



This preview shows how the CIELCh color 51, 13.580, 77.857 looks on a white background.

Color Contrast Check

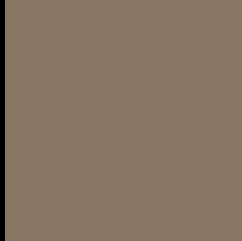
Large Text (above 18pt) WCAG AA ✓ Pass

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, 13.580, 77.857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

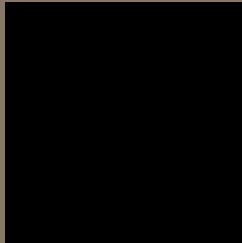
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 13.580, 77.857

Background



This preview shows how black text looks on a background with the CIELCh color 51, 13.580, 77.857.



This preview shows how white text looks on a background with the CIELCh color 51, 13.580, 77.857.

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, 13.580, 77.857

Protanopia

51, 12.650, 92.794

Deuteranopia

51, 14.497, 62.680



Tritanopia
51, 10.329, 350.269

Trichromacy



Original Color
51, 13.580, 77.857

Protanomaly
51, 12.552, 86.437

Deuteranomaly
51, 13.969, 67.947

Tritanomaly
51, 8.328, 24.277

Monochromacy



Original Color
51, 13.580, 77.857

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 4.747, 78.188

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 13.580, 77.857 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(135, 119, 99)` looks like.

```
.text, #text, p{  
    color:rgb(135, 119, 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(135, 119, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 119, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 13.580, 77.857 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(135, 119, 99) }
```

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

```
.border{ border-color:rgb(135, 119, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 119, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 119, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 119, 99);  
box-shadow:4px 4px 4px 4px rgb(135, 119,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 13.580, 77.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 119, 99) }
```

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

```
.background{ background-color: rgb(135,  
119, 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](#).

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