

# Converting Colors

CIELCh(51, 8.544, 31.981)

Have a look what the booklet for  
CIELCh(51, 8.544, 31.981) contains.

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**Color**

**CIELCh(51, 8.544, 31.981)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	897572
RGB	137, 117, 114
RGB Percent	54%, 46%, 45%
CMY	0.4626, 0.5410, 0.5528
CMYK	0.00, 0.15, 0.17, 0.46
HSL	8°, 9%, 49%
HSV	8°, 17%, 54%
XYZ	19.7279, 19.2686, 18.6100
YIQ	122.6380, 12.8830, 3.3070

# Conversions

## Conversions Part 2

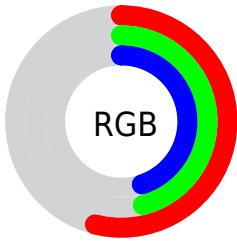
Format	Color
R <sub>Y</sub> B	137, 117, 114
Decimal	9008498
CIE Lab	51.00, 7.25, 4.53
CIE LCh	51, 8.544, 31.981
Yxy	19.2686, 0.3425, 0.3345
Android (android.graphics.Color)	4287198578 (0xFF897572)
YUV	122.6380, -4.2585, 12.5955
Hunter-Lab	43.8960, 3.4041, 5.5909

# Details

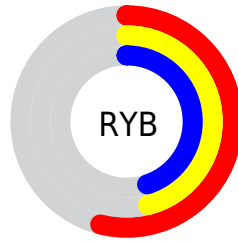
The CIELCh color **51, 8.544, 31.981** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **54, 7.666, 211.807**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 8.690, 30.852**, and **31, 8.585, 33.385** is the 20% darker color. If you saturate the color by 10%, you get **47, 14.195, 32.358**, and if you desaturate by 10%, it is **55, 3.317, 31.712**.

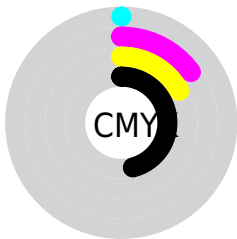
# Distribution



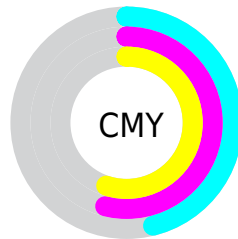
- Red (54%)
- Green (46%)
- Blue (45%)



- Red (54%)
- Yellow (46%)
- Blue (45%)



- Cyan (0%)
- Magenta (15%)
- Yellow (17%)
- Black (46%)



- Cyan (46%)
- Magenta (54%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 8.544, 31.981 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, 8.544, 31.981 by changing the saturation by 10% instead.



 51, 8.544, 31.981       51, 8.544, 31.981

 100, 8.544, 31.981       41, 8.544, 31.981


 71, 8.544, 31.981       31, 8.544, 31.981

 81, 8.544, 31.981       21, 8.544, 31.981

 91, 8.544, 31.981       11, 8.544, 31.981

 1, 8.544, 31.981

 0, 8.544, 31.981

 51, 8.544, 31.981       51, 8.544, 31.981

 47, 14.195, 32.358       55, 3.317, 31.712

 44, 20.292, 32.899       58, 1.512, 212.021

41, 26.828, 33.670

62, 5.983, 211.802

38, 33.760, 34.723

66, 10.132,  
211.824

35, 40.990, 36.094

69, 13.997,  
211.907

33, 48.325, 37.760

31, 55.371, 39.542

73, 17.612,  
212.030

29, 61.303, 40.952

77, 21.006,  
212.178

29, 62.971, 41.443

81, 24.208,  
212.344

84, 27.240,  
212.522

# Harmonies

# Complementary

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



51, 8.544, 31.981



54, 7.666, 211.807

# Rectangle

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



51, 8.544, 31.981



51, 8.544, 81.981



51, 8.544, 211.981



51, 8.544, 261.981

# Sweetspot

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



51, 8.543, 31.992



70, 3.013, 31.646



51, 14.935, 328.721



36, 2.053, 31.673



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, 8.543, 31.992



64, 12.819, 32.110



54, 8.933, 84.824



27, 2.796, 31.782



28, 61.247, 41.312



0, 1.255, 31.756





# Inverse Universe

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



54, 7.666, 211.807



69, 11.210, 211.836



51, 8.816, 269.221



28, 2.642, 211.820



44, 27.017, 219.759



1, 1.255, 211.775



# Previews

## White Background



This preview shows how the CIELCh color 51, 8.544, 31.981 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, 8.544, 31.981 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

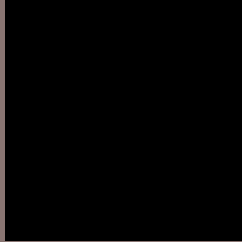
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 51, 8.544, 31.981

## Background



This preview shows how black text looks on a background with the CIELCh color 51, 8.544, 31.981.



This preview shows how white text looks on a background with the CIELCh color 51, 8.544, 31.981.

# 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, 8.544, 31.981

### Protanopia

51, 3.320, 80.253

### Deuteranopia

51, 8.125, 32.550



**Tritanopia**  
51, 10.700, 351.456



# Trichromacy



**Original Color**  
51, 8.544, 31.981

**Protanomaly**  
51, 4.706, 57.664

**Deuteranomaly**  
51, 8.125, 32.550

**Tritanomaly**  
51, 9.325, 6.106

# Monochromacy



**Original Color**  
51, 8.544, 31.981

**Achromatopsia**  
52, 0.007, 296.813

**Achromatomaly**  
51, 2.896, 31.122

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 51, 8.544, 31.981 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, 117, 114)` looks like.

```
.text, #text, p{  
    color:rgb(137, 117, 114)  
}
```

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, 117, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 117, 114) }
```

## Border

The CSS property to change the border of an element to CIELCh 51, 8.544, 31.981 is called "border". The border property can be set on classes, ids or directly on the HTML element.

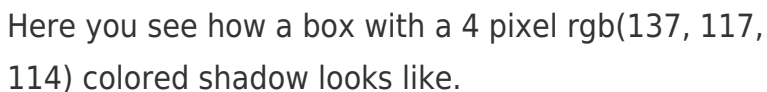
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 117, 114) }
```

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

```
.border{ border-color:rgb(137, 117, 114) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 117, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 117, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 117, 114);  
box-shadow:4px 4px 4px 4px rgb(137, 117,  
114) }
```

# Background

The CSS property to change the background color of an element to CIELCh 51, 8.544, 31.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 117, 114) }
```

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

```
.background{ background-color: rgb(137,  
117, 114) }
```

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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