

Converting Colors

CIELCh(51, 31.378, 93.092)

Have a look what the booklet for
CIELCh(51, 31.378, 93.092) contains.

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Color

CIELCh(51, 31.586, 93.392)

Conversions

Conversions Part 1

Format	Color
Hex	887943
RGB	136, 121, 67
RGB Percent	53%, 47%, 26%
CMY	0.4672, 0.5260, 0.7377
CMYK	0.00, 0.11, 0.51, 0.47
HSL	47°, 34%, 40%
HSV	47°, 51%, 53%
XYZ	17.9610, 19.2686, 8.0631
YIQ	119.3290, 26.2740, -13.6140

Conversions

Conversions Part 2

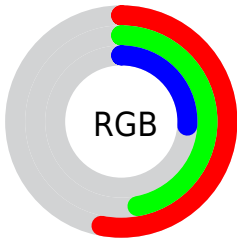
Format	Color
R_{YB}	86, 136, 67
Decimal	8943939
CIE _{Lab}	51.00, -1.87, 31.53
CIE _{LCh}	51, 31.586, 93.392
Yxy	19.2686, 0.3966, 0.4254
Android (android.graphics.Color)	4287134019 (0xFF887943)
YUV	119.3290, -25.7982, 14.6205
Hunter-Lab	43.8960, -3.7810, 19.8365

Details

The CIELCh color **51, 31.586, 93.392** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **36, 33.601, 287.602**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 31.697, 93.120**, and **31, 31.548, 93.863** is the 20% darker color. If you saturate the color by 10%, you get **50, 37.506, 92.154**, and if you desaturate by 10%, it is **52, 25.432, 94.618**.

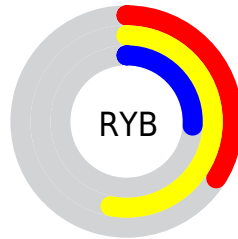
Distribution



Red (53%)

Green (47%)

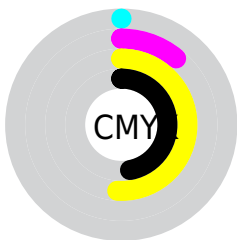
Blue (26%)



Red (34%)

Yellow (53%)

Blue (26%)

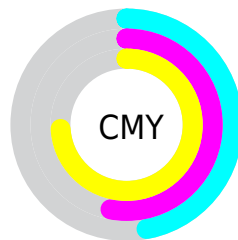


Cyan (0%)

Magenta (11%)

Yellow (51%)

Black (47%)



Cyan (47%)

Magenta (53%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 31.586, 93.392 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, 31.586, 93.392 by changing the saturation by 10% instead.

■ 51, 31.586, 93.392

■ 51, 31.586, 93.392

■ 100, 31.586,
93.392

■ 41, 31.586, 93.392

■ 71, 31.586, 93.392

■ 31, 31.586, 93.392

■ 81, 31.586, 93.392

■ 21, 31.586, 93.392

■ 91, 31.586, 93.392

■ 11, 31.586, 93.392

■ 1, 31.586, 93.392

■ 0, 31.586, 93.392

■ 51, 31.586, 93.392

■ 51, 31.586, 93.392

■ 50, 37.506, 92.154

■ 52, 25.432, 94.618

■ 49, 42.962, 90.888

■ 53, 19.179, 95.819

■ 48, 47.605, 89.577

■ 54, 12.909, 96.994

■ 47, 50.979, 88.175

■ 55, 6.664, 98.132

■ 46, 53.242, 86.833

■ 57, 0.471, 98.995

■ 58, 5.660, 280.355

■ 59, 11.724,
281.372

■ 60, 17.718,
282.351

■ 62, 23.645,
283.285

Harmonies

Complementary

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



51, 31.586, 93.392



36, 33.601, 287.602

Rectangle

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



51, 31.586, 93.392



51, 31.586, 143.392



51, 31.586, 273.392



51, 31.586, 323.392

Sweetspot

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



51, 31.587, 93.396



70, 11.485, 97.619



38, 31.482, 7.474



36, 7.904, 97.410



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, 31.587, 93.396



64, 46.407, 91.960



54, 39.014, 117.624



29, 3.525, 98.310



45, 52.325, 86.876



1, 1.635, 99.343

Inverse Universe

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



36, 33.601, 287.602



41, 50.789, 290.460



33, 43.684, 304.540



27, 3.560, 280.435



18, 68.877, 301.067



0, 1.635, 279.348

Previews

White Background



This preview shows how the CIE LCh color 51, 31.586, 93.392 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, 31.586, 93.392 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, 31.586, 93.392

Background



This preview shows how black text looks on a background with the CIELCh color 51, 31.586, 93.392.



This preview shows how white text looks on a background with the CIELCh color 51, 31.586, 93.392.

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, 31.586, 93.392

Protanopia

51, 31.773, 96.006

Deuteranopia

51, 31.767, 78.316



Tritanopia
51, 12.179, 355.522

Trichromacy



Original Color
51, 31.586, 93.392

Protanomaly
51, 31.867, 95.184

Deuteranomaly
51, 31.351, 83.579

Tritanomaly
51, 12.564, 56.937

Monochromacy



Original Color
51, 31.586, 93.392

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 11.806, 98.192

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 31.586, 93.392 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, 121, 67)` looks like.

```
.text, #text, p{  
    color:rgb(136, 121, 67)  
}
```

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, 121, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 121, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 31.586, 93.392 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, 121, 67) }
```

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

```
.border{ border-color:rgb(136, 121, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 121, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 121, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 121, 67);  
box-shadow:4px 4px 4px 4px rgb(136, 121,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 31.586, 93.392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 121, 67) }
```

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

```
.background{ background-color: rgb(136,  
121, 67) }
```

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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