

Converting Colors

CIELCh(51, 8.728, 12.775)

Have a look what the booklet for
CIELCh(51, 8.728, 12.775) contains.

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Color

CIELCh(51, 8.742, 12.785)

Conversions

Conversions Part 1

Format	Color
Hex	897476
RGB	137, 116, 118
RGB Percent	54%, 45%, 46%
CMY	0.4610, 0.5434, 0.5355
CMYK	0.00, 0.15, 0.14, 0.46
HSL	354°, 8%, 50%
HSV	354°, 15%, 54%
XYZ	19.9845, 19.2686, 19.9437
YIQ	122.5070, 11.8740, 5.0740

Conversions

Conversions Part 2

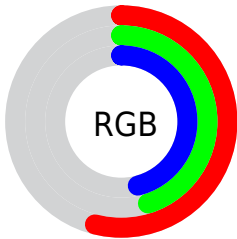
Format	Color
R_{YB}	137, 116, 118
Decimal	9008246
CIE Lab	51.00, 8.53, 1.93
CIE LCh	51, 8.742, 12.785
Yxy	19.2686, 0.3376, 0.3255
Android (android.graphics.Color)	4287198326 (0xFF897476)
YUV	122.5070, -2.2220, 12.7104
Hunter-Lab	43.8960, 4.4475, 3.7894

Details

The CIELCh color $[51, 8.742, 12.785]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[56, 8.086, 190.471]$, and the grayscale version is $[52, 0.007, 296.813]$.

A 20% lighter version of the original color is $[71, 8.912, 13.154]$, and $[31, 8.727, 12.566]$ is the 20% darker color. If you saturate the color by 10%, you get $[47, 14.914, 13.886]$, and if you desaturate by 10%, it is $[55, 2.928, 11.818]$.

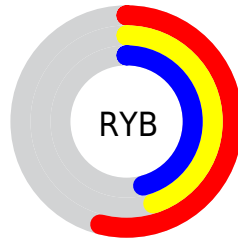
Distribution



Red (54%)

Green (45%)

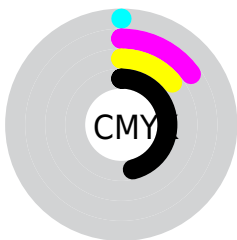
Blue (46%)



Red (54%)

Yellow (45%)

Blue (46%)

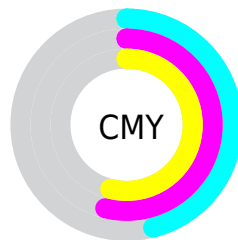


Cyan (0%)

Magenta (15%)

Yellow (14%)

Black (46%)



Cyan (46%)

Magenta (54%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 8.742, 12.785 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, 8.742, 12.785 by changing the saturation by 10% instead.

 51, 8.742, 12.785  51, 8.742, 12.785

 100, 8.742, 12.785  41, 8.742, 12.785

 71, 8.742, 12.785  31, 8.742, 12.785



 81, 8.742, 12.785  21, 8.742, 12.785

 91, 8.742, 12.785  11, 8.742, 12.785

 1, 8.742, 12.785

 0, 8.742, 12.785

 51, 8.742, 12.785  51, 8.742, 12.785

 47, 14.914, 13.886  55, 2.928, 11.818

 43, 21.416, 15.221  59, 2.523, 191.382

40, 28.168, 16.887

63, 7.627, 190.650

36, 35.035, 18.990

68, 12.412,
190.094

33, 41.827, 21.649

72, 16.907,
189.620

31, 48.322, 24.966

29, 54.313, 28.938

76, 21.143,
189.207

28, 59.617, 33.256

80, 25.148,
188.841

28, 61.978, 34.925

85, 28.949,
188.515

89, 32.569,
188.221

Harmonies

Complementary

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



51, 8.742, 12.785



56, 8.086, 190.471

Rectangle

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



51, 8.742, 12.785



51, 8.742, 62.785



51, 8.742, 192.785



51, 8.742, 242.785

Sweetspot

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



51, 8.741, 12.793



70, 3.426, 11.799



51, 14.329, 322.420



36, 2.332, 11.864



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, 8.741, 12.793



64, 12.865, 13.112



53, 7.133, 62.352



27, 3.168, 12.200



27, 60.230, 34.703



0, 1.430, 11.546

Inverse Universe

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



51, 8.741, 12.793



64, 12.865, 13.112



53, 6.706, 245.680



27, 3.168, 12.200



27, 60.230, 34.703



0, 1.430, 11.546

Previews

White Background



This preview shows how the CIELCh color 51, 8.742, 12.785 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, 8.742, 12.785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

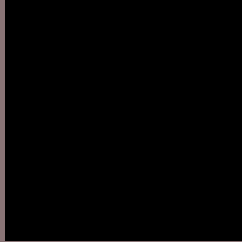
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 8.742, 12.785

Background



This preview shows how black text looks on a background with the CIELCh color 51, 8.742, 12.785.



This preview shows how white text looks on a background with the CIELCh color 51, 8.742, 12.785.

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, 8.742, 12.785

Protanopia

51, 1.208, 19.223

Deuteranopia

51, 7.004, 20.148



Tritanopia
51, 10.700, 351.456

Trichromacy



Original Color
51, 8.742, 12.785

Protanomaly
51, 4.111, 11.668

Deuteranomaly
51, 7.856, 16.046

Tritanomaly
51, 9.632, 359.377

Monochromacy



Original Color
51, 8.742, 12.785

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 2.834, 19.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 8.742, 12.785 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, 116, 118)` looks like.

```
.text, #text, p{  
    color:rgb(137, 116, 118)  
}
```

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, 116, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 116, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 8.742, 12.785 is called "border". The border property can be set on classes, ids or directly on the HTML element.

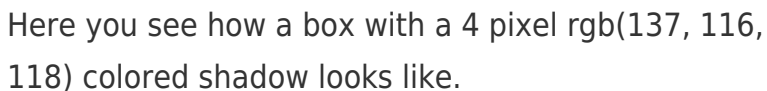
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 116, 118) }
```

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

```
.border{ border-color:rgb(137, 116, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 116, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 116, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 116, 118); box-shadow:4px 4px 4px 4px rgb(137, 116, 118) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 8.742, 12.785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 116, 118) }
```

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

```
.background{ background-color: rgb(137,  
116, 118) }
```

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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