

Converting Colors

CIELCh(51, 8.030, 90.879)

Have a look what the booklet for
CIELCh(51, 8.030, 90.879) contains.

CIELCh(51, 7.947, 90.702)	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, 7.947, 90.702)

Conversions

Conversions Part 1

Format	Color
Hex	7F796C
RGB	127, 121, 108
RGB Percent	50%, 47%, 42%
CMY	0.5020, 0.5255, 0.5765
CMYK	0.00, 0.05, 0.15, 0.50
HSL	41°, 8%, 46%
HSV	41°, 15%, 50%
XYZ	18.2957, 19.2686, 16.9416
YIQ	121.3120, 7.7490, -2.7710

Conversions

Conversions Part 2

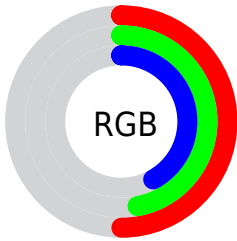
Format	Color
R_{YB}	117, 127, 108
Decimal	8354156
CIE Lab	51.00, -0.10, 7.95
CIE LCh	51, 7.947, 90.702
Yxy	19.2686, 0.3357, 0.3535
Android (android.graphics.Color)	4286544236 (0xFF7F796C)
YUV	121.3120, -6.5628, 4.9884
Hunter-Lab	43.8960, -2.4198, 7.8444

Details

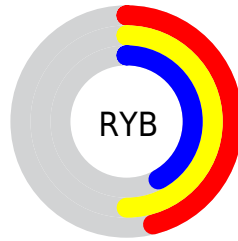
The CIELCh color $51, 7.947, 90.702$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 7.952, 274.463$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 8.076, 89.663$, and $31, 7.947, 91.688$ is the 20% darker color. If you saturate the color by 10%, you get $50, 13.383, 89.481$, and if you desaturate by 10%, it is $52, 2.607, 91.871$.

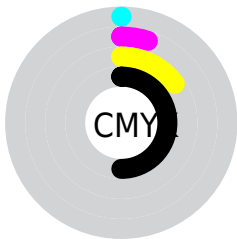
Distribution



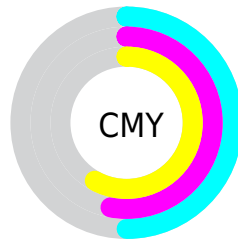
- Red (50%)
- Green (47%)
- Blue (42%)



- Red (46%)
- Yellow (50%)
- Blue (42%)



- Cyan (0%)
- Magenta (5%)
- Yellow (15%)
- Black (50%)



- Cyan (50%)
- Magenta (53%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 7.947, 90.702 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, 7.947, 90.702 by changing the saturation by 10% instead.

■ 51, 7.947, 90.702 ■ 51, 7.947, 90.702

■ 100, 7.947, 90.702 ■ 41, 7.947, 90.702

■ 71, 7.947, 90.702 ■ 31, 7.947, 90.702

■ 81, 7.947, 90.702 ■ 21, 7.947, 90.702

■ 91, 7.947, 90.702 ■ 11, 7.947, 90.702

■ 1, 7.947, 90.702

■ 0, 7.947, 90.702

■ 51, 7.947, 90.702 ■ 51, 7.947, 90.702

■ 50, 13.383, 89.481 ■ 52, 2.607, 91.871

■ 48, 18.898, 88.208 ■ 54, 2.636, 273.153

47, 24.458, 86.898

55, 7.782, 274.222

46, 29.993, 85.549

57, 12.837,
275.277

44, 35.377, 84.147

59, 17.805,
276.288

43, 40.382, 82.659

42, 44.645, 81.017

60, 22.692,
277.250

41, 47.774, 79.129

62, 27.506,
278.165

40, 49.367, 78.234

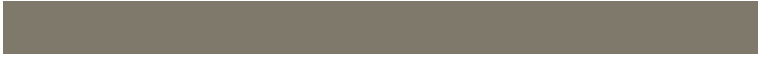
63, 32.251,
279.033

65, 36.932,
279.854

Harmonies

Complementary

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



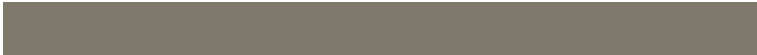
51, 7.947, 90.702



48, 7.952, 274.463

Rectangle

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



51, 7.947, 90.702



51, 7.947, 140.702



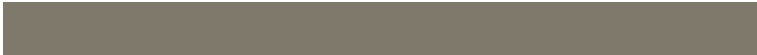
51, 7.947, 270.702



51, 7.947, 320.702

Sweetspot

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



51, 7.948, 90.713



67, 2.610, 91.959



48, 8.599, 356.182



35, 1.871, 91.892



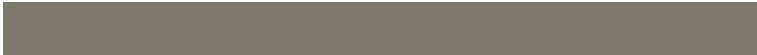
85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51, 7.948, 90.713



65, 11.928, 90.291



52, 11.044, 116.346



26, 2.986, 91.407



40, 49.507, 78.223



0, 0.000, 0.000

Inverse Universe

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



48, 7.952, 274.463



60, 11.929, 274.971



47, 11.391, 298.446



25, 2.992, 273.670



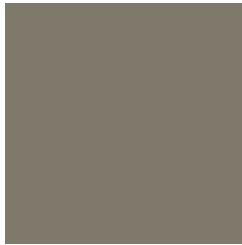
20, 58.202, 296.413



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 7.947, 90.702 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, 7.947, 90.702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

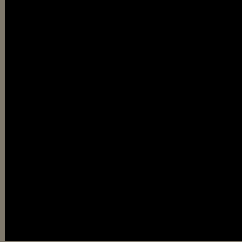
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

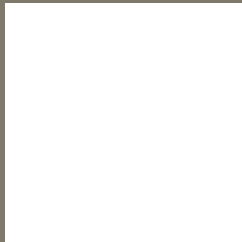
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 7.947, 90.702

Background



This preview shows how black text looks on a background with the CIELCh color 51, 7.947, 90.702.



This preview shows how white text looks on a background with the CIELCh color 51, 7.947, 90.702.

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, 7.947, 90.702

Protanopia

51, 7.947, 90.702

Deuteranopia

51, 10.086, 47.506



Tritanopia
51, 7.131, 332.883

Trichromacy



Original Color
51, 7.947, 90.702

Protanomaly
51, 7.947, 90.702

Deuteranomaly
51, 8.568, 57.386

Tritanomaly
51, 4.111, 11.668

Monochromacy



Original Color
51, 7.947, 90.702

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 3.008, 94.047

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 7.947, 90.702 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(127, 121, 108)` looks like.

```
.text, #text, p{  
    color:rgb(127, 121, 108)  
}
```

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(127, 121, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 121, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 7.947, 90.702 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(127, 121, 108) }
```

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

```
.border{ border-color:rgb(127, 121, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 121, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 121, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 121, 108);  
box-shadow:4px 4px 4px 4px rgb(127, 121,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 7.947, 90.702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 121, 108) }
```

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

```
.background{ background-color: rgb(127,  
121, 108) }
```

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