

Converting Colors

CIELCh(51, 7.829, 121.714)

Have a look what the booklet for
CIELCh(51, 7.829, 121.714) contains.

CIELCh(51, 7.730, 121.527)	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, 7.730, 121.527)

Conversions

Conversions Part 1

Format	Color
Hex	777B6E
RGB	119, 123, 110
RGB Percent	47%, 48%, 43%
CMY	0.5327, 0.5170, 0.5680
CMYK	0.03, 0.00, 0.11, 0.52
HSL	78°, 6%, 46%
HSV	78°, 11%, 48%
XYZ	17.5560, 19.2686, 17.5910
YIQ	120.3220, 1.7890, -4.8910

Conversions

Conversions Part 2

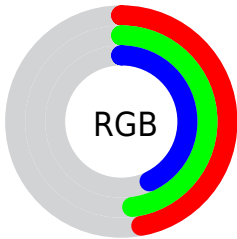
Format	Color
RYB	110, 123, 114
Decimal	7830382
CIELab	51.00, -4.04, 6.59
CIElCh	51, 7.730, 121.527
Yxy	19.2686, 0.3226, 0.3541
Android (android.graphics.Color)	4286020462 (0xFF777B6E)
YUV	120.3220, -5.0887, -1.1594
Hunter-Lab	43.8960, -5.4280, 6.9671

Details

The CIELCh color **51, 7.730, 121.527** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 7.885, 302.686**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 7.247, 121.687**, and **31, 7.726, 119.006** is the 20% darker color. If you saturate the color by 10%, you get **50, 15.034, 120.976**, and if you desaturate by 10%, it is **52, 0.403, 122.155**.

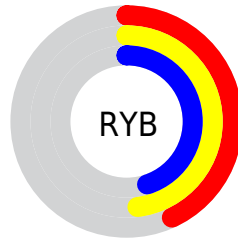
Distribution



Red (47%)

Green (48%)

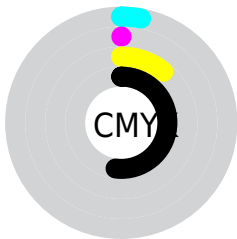
Blue (43%)



Red (43%)

Yellow (48%)

Blue (45%)

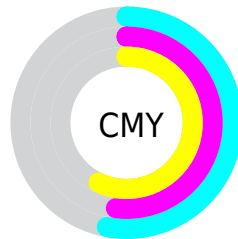


Cyan (3%)

Magenta (0%)

Yellow (11%)

Black (52%)



Cyan (53%)

Magenta (52%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 7.730, 121.527 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, 7.730, 121.527 by changing the saturation by 10% instead.

■ 51, 7.730, 121.527

■ 51, 7.730, 121.527

■ 100, 7.730,
121.527

■ 41, 7.730, 121.527

■ 71, 7.730, 121.527

■ 31, 7.730, 121.527

■ 81, 7.730, 121.527

■ 21, 7.730, 121.527

■ 91, 7.730, 121.527

■ 11, 7.730, 121.527

■ 1, 7.730, 121.527

■ 0, 7.730, 121.527

■ 51, 7.730, 121.527

■ 51, 7.730, 121.527

■ 50, 15.034,
120.976

■ 52, 0.403, 122.155

■ 52, 6.915, 302.574

■ 50, 22.261,
120.418

■ 53, 14.198,
303.062

■ 49, 29.338,
119.880

■ 54, 21.426,
303.516

■ 49, 36.161,
119.391

■ 55, 28.586,
303.938

■ 48, 42.573,
119.002

■ 55, 35.667,
304.329

■ 48, 48.354,
118.779

■ 56, 42.661,
304.689

■ 48, 53.221,
118.812

■ 57, 49.563,
305.019

■ 47, 56.876,
119.200

■ 58, 56.370,
305.323

■ 47, 59.591,
119.749

Harmonies

Complementary

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



51, 7.730, 121.527



47, 7.885, 302.686

Rectangle

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



51, 7.730, 121.527



51, 7.730, 171.527



51, 7.730, 301.527



51, 7.730, 351.527

Sweetspot

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



51, 7.731, 121.532



66, 2.724, 121.948



49, 4.412, 50.824



35, 2.083, 121.907



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



51, 7.731, 121.532



65, 11.829, 121.380



50, 8.712, 138.359



25, 4.103, 121.615



48, 60.218, 119.770



91, 101.867, 120.537

Inverse Universe

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



47, 7.885, 302.686



59, 12.120, 302.856



48, 8.763, 319.240



23, 4.174, 302.596



15, 76.146, 308.744



35, 128.992, 308.255

Previews

White Background



This preview shows how the CIELCh color 51, 7.730, 121.527 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, 7.730, 121.527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

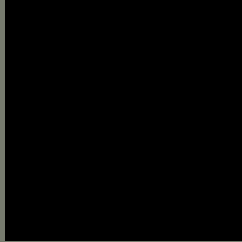
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

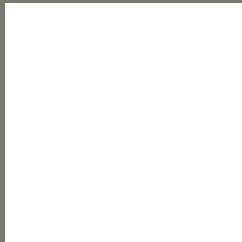
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 7.730, 121.527

Background



This preview shows how black text looks on a background with the CIELCh color 51, 7.730, 121.527.



This preview shows how white text looks on a background with the CIELCh color 51, 7.730, 121.527.

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, 7.730, 121.527

Protanopia

51, 7.265, 92.534

Deuteranopia

51, 9.144, 42.514



Tritanopia
51, 5.902, 298.512

Trichromacy



Original Color
51, 7.730, 121.527

Protanomaly
51, 7.579, 102.877

Deuteranomaly
51, 6.847, 62.360

Tritanomaly
51, 1.171, 290.366

Monochromacy



Original Color
51, 7.730, 121.527

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 2.937, 117.732

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 7.730, 121.527 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(119, 123, 110)` looks like.

```
.text, #text, p{  
    color:rgb(119, 123, 110)  
}
```

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(119, 123, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 123, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 7.730, 121.527 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(119, 123, 110) }
```

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

```
.border{ border-color:rgb(119, 123, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 123, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 123, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 123, 110);  
box-shadow:4px 4px 4px 4px rgb(119, 123,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 7.730, 121.527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 123, 110) }
```

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

```
.background{ background-color: rgb(119,  
123, 110) }
```

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