

Converting Colors

CIELCh(51, 9.792, 122.365)

Have a look what the booklet for
CIELCh(51, 9.792, 122.365) contains.

CIELCh(51, 10.171, 123.088)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 10.171, 123.088)

Conversions

Conversions Part 1

Format	Color
Hex	767C6B
RGB	118, 124, 107
RGB Percent	46%, 49%, 42%
CMY	0.5379, 0.5144, 0.5811
CMYK	0.05, 0.00, 0.14, 0.51
HSL	81°, 7%, 45%
HSV	81°, 14%, 49%
XYZ	17.2780, 19.2686, 16.6713
YIQ	120.2680, 1.8810, -6.5590

Conversions

Conversions Part 2

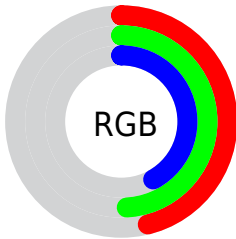
Format	Color
R_{YB}	107, 124, 113
Decimal	7765099
CIE Lab	51.00, -5.55, 8.52
CIE LCh	51, 10.171, 123.088
Yxy	19.2686, 0.3247, 0.3621
Android (android.graphics.Color)	4285955179 (0xFF767C6B)
YUV	120.2680, -6.5411, -1.9890
Hunter-Lab	43.8960, -6.5582, 8.2095

Details

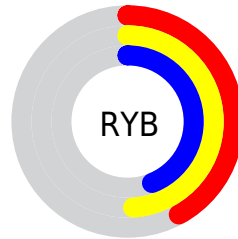
The CIELCh color **51, 10.171, 123.088** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **46, 10.415, 304.507**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 10.068, 122.509**, and **31, 9.757, 122.068** is the 20% darker color. If you saturate the color by 10%, you get **50, 17.554, 122.567**, and if you desaturate by 10%, it is **52, 2.757, 123.613**.

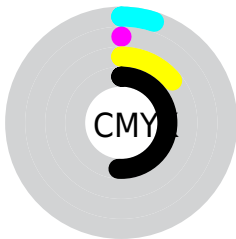
Distribution



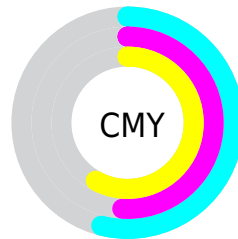
- Red (46%)
- Green (49%)
- Blue (42%)



- Red (42%)
- Yellow (49%)
- Blue (44%)



- Cyan (5%)
- Magenta (0%)
- Yellow (14%)
- Black (51%)



- Cyan (54%)
- Magenta (51%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 10.171, 123.088 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, 10.171, 123.088 by changing the saturation by 10% instead.

■ 51, 10.171,
123.088

■ 51, 10.171,
123.088

■ 100, 10.171,
123.088

■ 41, 10.171,
123.088

■ 71, 10.171,
123.088

■ 31, 10.171,
123.088

■ 81, 10.171,
123.088

■ 21, 10.171,
123.088

■ 91, 10.171,
123.088

■ 11, 10.171,
123.088

■ 1, 10.171, 123.088

■ 0, 10.171, 123.088

■ 51, 10.171,
123.088

■ 51, 10.171,
123.088

■ 50, 17.554,
122.567

■ 52, 2.757, 123.613

■ 50, 24.845,
122.045

■ 52, 4.651, 304.071

■ 49, 31.961,
121.548

■ 53, 12.023,
304.534

■ 49, 38.782,
121.114

■ 54, 19.338,
304.961

■ 48, 45.132,
120.799

■ 55, 26.579,
305.356

■ 48, 50.770,
120.681

■ 56, 33.735,
305.719

■ 48, 55.397,
120.861

■ 57, 40.798,
306.052

■ 47, 58.763,

■ 58, 47.762,
306.357

121.428

■ 59, 54.624,
306.634

■ 47, 60.646,
121.810

Harmonies

Complementary

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



51, 10.171, 123.088



46, 10.415, 304.507

Rectangle

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



51, 10.171, 123.088



51, 10.171, 173.088



51, 10.171, 303.088



51, 10.171, 353.088

Sweetspot

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



51, 10.172, 123.092



66, 3.662, 123.593



48, 5.807, 56.598



34, 2.624, 123.558



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, 10.172, 123.092



65, 14.668, 122.953



50, 11.572, 139.641



25, 4.134, 123.334



47, 61.047, 121.825



91, 103.374, 122.643

Inverse Universe

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



46, 10.415, 304.507



58, 15.085, 304.663



47, 11.632, 320.878



24, 4.202, 304.242



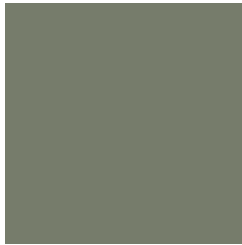
16, 75.517, 309.422



36, 127.941, 308.893

Previews

White Background



This preview shows how the CIELCh color 51, 10.171, 123.088 looks on a white background.

Color Contrast Check

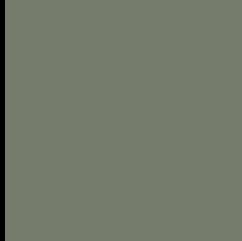
Large Text (above 18pt) WCAG AA ✓ Pass

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, 10.171, 123.088 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

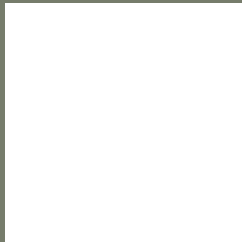
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 10.171, 123.088

Background



This preview shows how black text looks on a background with the CIELCh color 51, 10.171, 123.088.

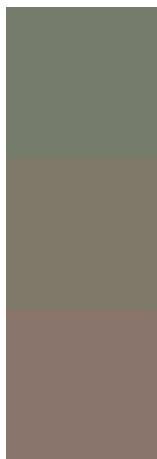


This preview shows how white text looks on a background with the CIELCh color 51, 10.171, 123.088.

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, 10.171, 123.088

Protanopia

51, 9.619, 93.644

Deuteranopia

51, 10.396, 50.222



Tritanopia
51, 5.249, 290.856

Trichromacy



Original Color
51, 10.171, 123.088

Protanomaly
51, 9.308, 103.784

Deuteranomaly
51, 8.166, 70.976

Tritanomaly
51, 0.796, 199.800

Monochromacy



Original Color
51, 10.171, 123.088

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 3.590, 122.807

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 10.171, 123.088 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(118, 124, 107)` looks like.

```
.text, #text, p{  
    color:rgb(118, 124, 107)  
}
```

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(118, 124, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 124, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 10.171, 123.088 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(118, 124, 107) }
```

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

```
.border{ border-color:rgb(118, 124, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 124, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 124, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 124, 107);  
box-shadow:4px 4px 4px 4px rgb(118, 124,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 10.171, 123.088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 124, 107) }
```

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

```
.background{ background-color: rgb(118,  
124, 107) }
```

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