

Converting Colors

CIELCh(51, 14.039, 301.517)

Have a look what the booklet for
CIELCh(51, 14.039, 301.517)
contains.

CIELCh(51, 14.242, 301.028)	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, 14.242, 301.028)

Conversions

Conversions Part 1

Format	Color
Hex	7C768E
RGB	124, 118, 142
RGB Percent	49%, 46%, 56%
CMY	0.5129, 0.5364, 0.4423
CMYK	0.13, 0.17, 0.00, 0.44
HSL	255°, 10%, 51%
HSV	255°, 17%, 56%
XYZ	19.7467, 19.2686, 28.3571
YIQ	122.5300, -4.1280, 8.7360

Conversions

Conversions Part 2

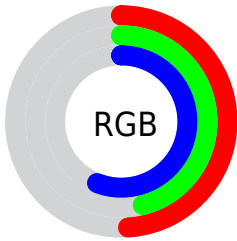
Format	Color
R_{YB}	124, 118, 142
Decimal	8156814
CIE Lab	51.00, 7.34, -12.20
CIE LCh	51, 14.242, 301.028
Yxy	19.2686, 0.2931, 0.2860
Android (android.graphics.Color)	4286346894 (0xFF7C768E)
YUV	122.5300, 9.5987, 1.2892
Hunter-Lab	43.8960, 3.4804, -7.5744

Details

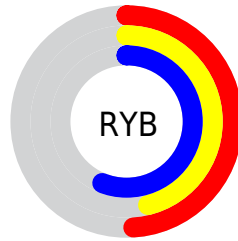
The CIELCh color $51, 14.242, 301.028$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $58, 13.775, 118.889$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 14.485, 301.488$, and $31, 14.224, 300.684$ is the 20% darker color. If you saturate the color by 10%, you get $46, 23.086, 301.816$, and if you desaturate by 10%, it is $56, 5.704, 300.330$.

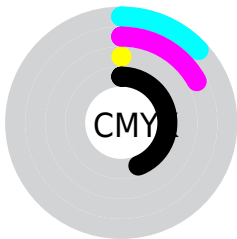
Distribution



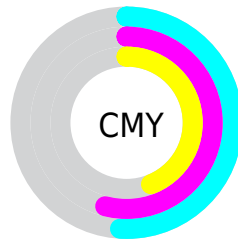
- Red (49%)
- Green (46%)
- Blue (56%)



- Red (49%)
- Yellow (46%)
- Blue (56%)



- Cyan (13%)
- Magenta (17%)
- Yellow (0%)
- Black (44%)





- Cyan (51%)
- Magenta (54%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 14.242, 301.028 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, 14.242, 301.028 by changing the saturation by 10% instead.


 51, 14.242,
301.028


 51, 14.242,
301.028


 100, 14.242,
301.028


 41, 14.242,
301.028


 71, 14.242,
301.028

 31, 14.242,
301.028

 81, 14.242,
301.028

 21, 14.242,
301.028

 91, 14.242,
301.028

 11, 14.242,
301.028

 1, 14.242, 301.028

 0, 14.242, 301.028

■ 51, 14.242,
301.028

■ 51, 14.242,
301.028

■ 46, 23.086,
301.816

■ 56, 5.704, 300.330

■ 41, 32.230,
302.703

■ 61, 2.532, 119.739

■ 37, 41.630,
303.680

■ 65, 10.479,
119.207

■ 32, 51.177,
304.721

■ 70, 18.153,
118.751

■ 28, 60.631,
305.769

■ 75, 25.571,
118.358

■ 24, 69.538,
306.721

■ 79, 32.749,
118.019

■ 20, 77.154,
307.417

■ 84, 39.701,
117.727

■ 18, 82.821,

■ 89, 46.442,
117.476

307.754

■ 93, 52.986,
117.260

■ 17, 84.554,
307.906

Harmonies

Complementary

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



51, 14.242, 301.028



58, 13.775, 118.889

Rectangle

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



51, 14.242, 301.028



51, 14.242, 351.028



51, 14.242, 121.028



51, 14.242, 171.028

Sweetspot

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



51, 14.241, 301.026



73, 5.150, 300.216



56, 7.460, 226.429



38, 3.545, 300.256



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



51, 14.241, 301.026



64, 21.153, 301.296



52, 15.632, 317.990



28, 4.715, 300.483



16, 81.434, 307.946



0, 3.137, 299.908

Inverse Universe

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



52, 14.099, 333.403



66, 20.839, 333.645



57, 15.473, 136.546



28, 4.710, 332.885



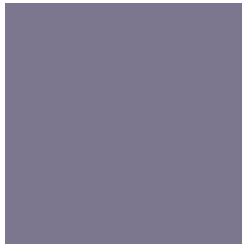
30, 59.818, 340.937



1, 3.160, 332.337

Previews

White Background



This preview shows how the CIELCh color 51, 14.242, 301.028 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, 14.242, 301.028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

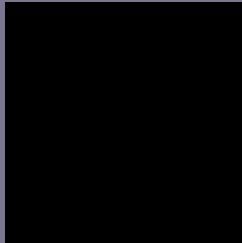
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 14.242, 301.028

Background



This preview shows how black text looks on a background with the CIELCh color 51, 14.242, 301.028.



This preview shows how white text looks on a background with the CIELCh color 51, 14.242, 301.028.

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, 14.242, 301.028

Protanopia

51, 14.022, 287.450

Deuteranopia

51, 13.538, 298.220



Tritanopia
51, 5.902, 298.512

Trichromacy



Original Color
51, 14.242, 301.028

Protanomaly
51, 14.030, 293.470

Deuteranomaly
51, 13.538, 298.220

Tritanomaly
51, 8.922, 301.227

Monochromacy



Original Color
51, 14.242, 301.028

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 5.317, 299.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 14.242, 301.028 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(124, 118, 142)` looks like.

```
.text, #text, p{  
    color:rgb(124, 118, 142)  
}
```

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(124, 118, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 118, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 14.242, 301.028 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(124, 118, 142) }
```

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

```
.border{ border-color:rgb(124, 118, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 118, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(124, 118, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(124, 118, 142); box-shadow:4px 4px 4px 4px rgb(124, 118, 142) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 14.242, 301.028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 118, 142) }
```

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

```
.background{ background-color: rgb(124,  
118, 142) }
```

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