

Converting Colors

CIELCh(51, 13.604, 275.940)

Have a look what the booklet for
CIELCh(51, 13.604, 275.940)
contains.

CIELCh(51, 13.314, 274.358)	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, 13.314, 274.358)

Conversions

Conversions Part 1

Format	Color
Hex	6F7A90
RGB	111, 122, 144
RGB Percent	44%, 48%, 56%
CMY	0.5652, 0.5221, 0.4358
CMYK	0.23, 0.15, 0.00, 0.44
HSL	220°, 13%, 50%
HSV	220°, 23%, 56%
XYZ	18.5074, 19.2686, 29.0766
YIQ	121.2190, -13.6180, 4.5100

Conversions

Conversions Part 2

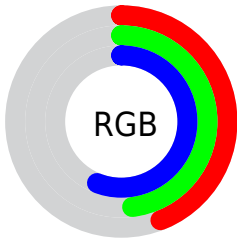
Format	Color
R_{YB}	111, 119, 144
Decimal	7305872
CIE _{Lab}	51.00, 1.01, -13.28
CIE _{LCh}	51, 13.314, 274.358
Yxy	19.2686, 0.2768, 0.2882
Android (android.graphics.Color)	4285495952 (0xFF6F7A90)
YUV	121.2190, 11.2310, -8.9621
Hunter-Lab	43.8960, -1.5591, -8.5464

Details

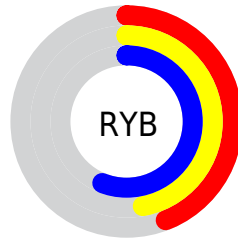
The CIELCh color $51, 13.314, 274.358$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $56, 13.379, 88.281$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 13.560, 275.059$, and $31, 13.766, 276.699$ is the 20% darker color. If you saturate the color by 10%, you get $47, 19.266, 276.146$, and if you desaturate by 10%, it is $55, 7.453, 272.824$.

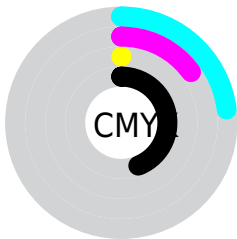
Distribution



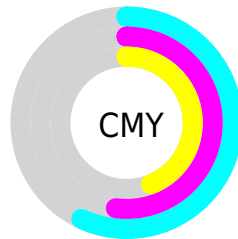
- Red (44%)
- Green (48%)
- Blue (56%)



- Red (44%)
- Yellow (47%)
- Blue (56%)



- Cyan (23%)
- Magenta (15%)
- Yellow (0%)
- Black (44%)





- Cyan (57%)
- Magenta (52%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 13.314, 274.358 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, 13.314, 274.358 by changing the saturation by 10% instead.


 51, 13.314,
274.358


 51, 13.314,
274.358


 100, 13.314,
274.358


 41, 13.314,
274.358


 71, 13.314,
274.358


 31, 13.314,
274.358

 81, 13.314,
274.358

 21, 13.314,
274.358

 91, 13.314,
274.358

 11, 13.314,
274.358

 1, 13.314, 274.358

 0, 13.314, 274.358

■ 51, 13.314,
274.358

■ 51, 13.314,
274.358

■ 47, 19.266,
276.146

■ 55, 7.453, 272.824

■ 43, 25.319,
278.236

■ 59, 1.683, 271.583

■ 62, 3.998, 90.275

■ 40, 31.490,
280.659

■ 66, 9.589, 89.304

■ 36, 37.800,
283.438

■ 70, 15.090, 88.436

■ 74, 20.498, 87.669

■ 33, 44.276,
286.562

■ 77, 25.814, 86.988

■ 29, 50.927,
289.967

■ 81, 31.037, 86.379

■ 85, 36.169, 85.833

■ 26, 57.708,
293.514

■ 24, 62.527,

295.848

Harmonies

Complementary

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



51, 13.314, 274.358



56, 13.379, 88.281

Rectangle

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



51, 13.314, 274.358



51, 13.314, 324.358



51, 13.314, 94.358



51, 13.314, 144.358

Sweetspot

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



51, 13.313, 274.355



72, 4.959, 272.052



57, 14.251, 170.476



38, 3.248, 272.115



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, 13.313, 274.355



62, 20.142, 275.332



48, 19.593, 297.986



28, 3.225, 272.312



22, 59.386, 295.629



1, 2.166, 271.122

Inverse Universe

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



50, 14.917, 355.955



61, 22.645, 356.646



59, 18.640, 114.395



28, 3.567, 354.461



28, 53.594, 16.452



0, 2.370, 353.683

Previews

White Background



This preview shows how the CIELCh color 51, 13.314, 274.358 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, 13.314, 274.358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

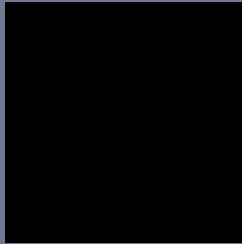
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

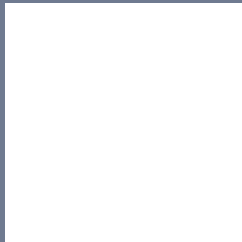
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 13.314, 274.358

Background



This preview shows how black text looks on a background with the CIELCh color 51, 13.314, 274.358.



This preview shows how white text looks on a background with the CIELCh color 51, 13.314, 274.358.

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

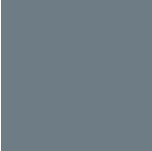
51, 13.314, 274.358

Protanopia

51, 13.442, 287.166

Deuteranopia

51, 15.239, 296.261



Tritanopia
51, 7.591, 242.856

Trichromacy



Original Color
51, 13.314, 274.358

Protanomaly
51, 12.960, 282.019

Deuteranomaly
51, 14.586, 289.142

Tritanomaly
51, 9.359, 260.152

Monochromacy



Original Color
51, 13.314, 274.358

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 4.891, 272.323

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 13.314, 274.358 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(111, 122, 144)` looks like.

```
.text, #text, p{  
    color:rgb(111, 122, 144)  
}
```

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(111, 122, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 122, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 13.314, 274.358 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(111, 122, 144) }
```

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

```
.border{ border-color:rgb(111, 122, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 122, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 122, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 122, 144);  
box-shadow:4px 4px 4px 4px rgb(111, 122,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 13.314, 274.358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 122, 144) }
```

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

```
.background{ background-color: rgb(111,  
122, 144) }
```

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