

Converting Colors

CIELCh(51, 12.908, 179.455)

Have a look what the booklet for
CIELCh(51, 12.908, 179.455)
contains.

CIELCh(51, 12.934, 179.610)	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, 12.934, 179.610)

Conversions

Conversions Part 1

Format	Color
Hex	608079
RGB	96, 128, 121
RGB Percent	38%, 50%, 47%
CMY	0.6239, 0.4985, 0.5259
CMYK	0.25, 0.00, 0.05, 0.50
HSL	167°, 14%, 44%
HSV	167°, 25%, 50%
XYZ	15.9622, 19.2686, 20.9323
YIQ	117.6340, -16.8250, -8.9610

Conversions

Conversions Part 2

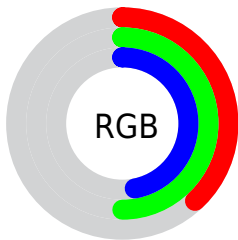
Format	Color
R_{YB}	96, 114, 128
Decimal	6324345
CIE _{Lab}	51.00, -12.93, 0.09
CIE _{LCh}	51, 12.934, 179.610
Yxy	19.2686, 0.2842, 0.3431
Android (android.graphics.Color)	4284514425 (0xFF608079)
YUV	117.6340, 1.6594, -18.9730
Hunter-Lab	43.8960, -11.9091, 2.4541

Details

The CIELCh color **51, 12.934, 179.610** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **44, 14.191, 4.365**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 13.145, 178.901**, and **31, 13.066, 180.409** is the 20% darker color. If you saturate the color by 10%, you get **50, 17.719, 178.605**, and if you desaturate by 10%, it is **52, 7.891, 180.559**.

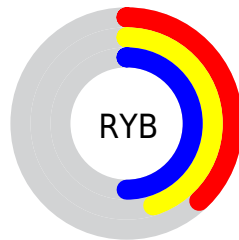
Distribution



Red (38%)

Green (50%)

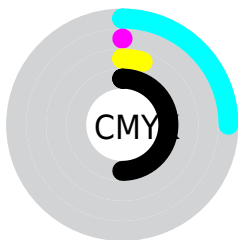
Blue (47%)



Red (38%)

Yellow (45%)

Blue (50%)

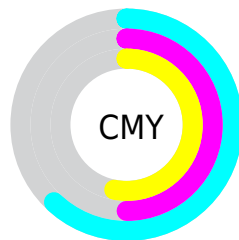


Cyan (25%)

Magenta (0%)

Yellow (5%)

Black (50%)



Cyan (62%)

Magenta (50%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 12.934, 179.610 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, 12.934, 179.610 by changing the saturation by 10% instead.

■ 51, 12.934,
179.610

■ 51, 12.934,
179.610

■ 100, 12.934,
179.610

■ 41, 12.934,
179.610

■ 71, 12.934,
179.610

■ 31, 12.934,
179.610

■ 81, 12.934,
179.610

■ 21, 12.934,
179.610

■ 91, 12.934,
179.610

■ 11, 12.934,
179.610

■ 1, 12.934, 179.610

■ 0, 12.934, 179.610

■ 51, 12.934,
179.610

■ 51, 12.934,
179.610

■ 50, 17.719,
178.605

■ 52, 7.891, 180.559

■ 49, 22.161,
177.533

■ 53, 2.666, 181.535

■ 49, 26.181,
176.374

■ 54, 2.672, 2.108

■ 48, 29.704,
175.106

■ 57, 13.469, 3.806

■ 48, 32.681,
173.708

■ 58, 18.845, 4.566

■ 48, 35.089,
172.161

■ 60, 24.166, 5.297

■ 47, 36.971,
170.463

■ 61, 29.412, 6.002

■ 47, 37.854,

■ 63, 34.572, 6.684

169.636

Harmonies

Complementary

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



51, 12.934, 179.610



44, 14.191, 4.365

Rectangle

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



51, 12.934, 179.610



51, 12.934, 229.610



51, 12.934, 359.610



51, 12.934, 49.610

Sweetspot

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



51, 12.935, 179.607



67, 5.239, 181.207



51, 21.160, 136.628



35, 3.747, 181.079



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, 12.935, 179.607



64, 18.953, 179.046



49, 9.889, 229.277



26, 2.975, 181.119



47, 37.767, 169.642



0, 0.000, 0.000

Inverse Universe

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



44, 14.191, 4.365



54, 21.274, 5.113



46, 11.486, 46.337



25, 3.074, 2.579



26, 54.111, 26.074



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 12.934, 179.610 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, 12.934, 179.610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

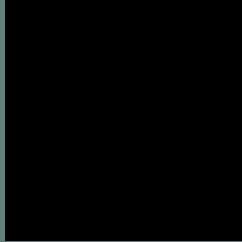
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

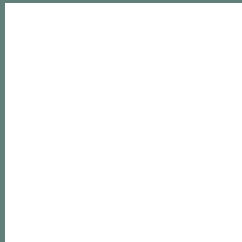
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 12.934, 179.610

Background



This preview shows how black text looks on a background with the CIELCh color 51, 12.934, 179.610.



This preview shows how white text looks on a background with the CIELCh color 51, 12.934, 179.610.

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, 12.934, 179.610

Protanopia
51, 2.613, 81.976

Deuteranopia
51, 7.015, 350.372



Tritanopia
51, 11.229, 229.999

Trichromacy



Original Color
51, 12.934, 179.610

Protanomaly
51, 5.341, 158.094

Deuteranomaly
51, 0.982, 236.233

Tritanomaly
51, 10.878, 210.808

Monochromacy



Original Color
51, 12.934, 179.610

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 5.084, 178.725

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 12.934, 179.610 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(96, 128, 121)` looks like.

```
.text, #text, p{  
    color:rgb(96, 128, 121)  
}
```

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(96, 128, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 128, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 12.934, 179.610 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(96, 128, 121) }
```

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

```
.border{ border-color:rgb(96, 128, 121) }
```

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

Here you see how a box with a 4 pixel rgb(96, 128, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 128, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 128, 121);  
box-shadow:4px 4px 4px 4px rgb(96, 128,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 12.934, 179.610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 128, 121) }
```

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

```
.background{ background-color: rgb(96, 128,  
121) }
```

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