

Converting Colors

CIELCh(51, 19.265, 293.656)

Have a look what the booklet for
CIELCh(51, 19.265, 293.656)
contains.

CIELCh(51, 19.293, 293.673)	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, 19.293, 293.673)

Conversions

Conversions Part 1

Format	Color
Hex	777697
RGB	119, 118, 151
RGB Percent	47%, 46%, 59%
CMY	0.5315, 0.5355, 0.4060
CMYK	0.21, 0.22, 0.00, 0.41
HSL	242°, 14%, 53%
HSV	242°, 22%, 59%
XYZ	19.8279, 19.2686, 32.1554
YIQ	122.0610, -9.9970, 10.4750

Conversions

Conversions Part 2

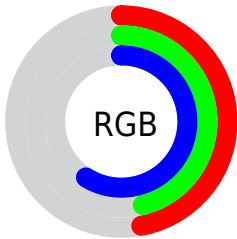
Format	Color
R_YB	119, 118, 151
Decimal	7829143
CIE Lab	51.00, 7.75, -17.67
CIE LCh	51, 19.293, 293.673
Yxy	19.2686, 0.2783, 0.2704
Android (android.graphics.Color)	4286019223 (0xFF777697)
YUV	122.0610, 14.2669, -2.6845
Hunter-Lab	43.8960, 3.8106, -12.7048

Details

The CIELCh color $51, 19.293, 293.673$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $62, 18.362, 109.423$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 19.180, 294.115$, and $31, 19.147, 293.573$ is the 20% darker color. If you saturate the color by 10%, you get $46, 28.725, 295.015$, and if you desaturate by 10%, it is $56, 10.237, 292.523$.

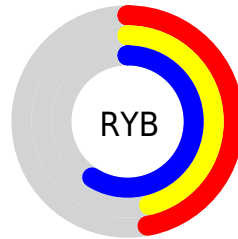
Distribution



Red (47%)

Green (46%)

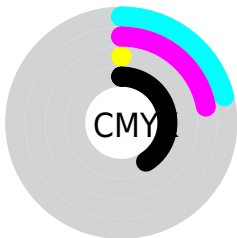
Blue (59%)



Red (47%)

Yellow (46%)

Blue (59%)

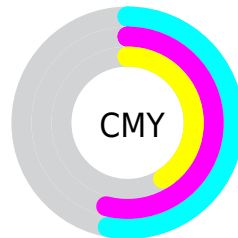


Cyan (21%)

Magenta (22%)

Yellow (0%)

Black (41%)



Cyan (53%)


Magenta (54%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 19.293, 293.673 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, 19.293, 293.673 by changing the saturation by 10% instead.


 51, 19.293,
293.673


 51, 19.293,
293.673


 100, 19.293,
293.673


 41, 19.293,
293.673


 71, 19.293,
293.673

 31, 19.293,
293.673

 81, 19.293,
293.673

 21, 19.293,
293.673

 91, 19.293,
293.673

 11, 19.293,
293.673

 1, 19.293, 293.673

 0, 19.293, 293.673

■ 51, 19.293,
293.673

■ 51, 19.293,
293.673

■ 46, 28.725,
295.015

■ 56, 10.237,
292.523

■ 40, 38.550,
296.572

■ 62, 1.537, 291.566

■ 67, 6.834, 110.694

■ 35, 48.740,
298.342

■ 72, 14.900,
109.981

■ 30, 59.169,
300.285

■ 77, 22.683,
109.368

■ 25, 69.481,
302.288

■ 83, 30.201,
108.839

■ 21, 78.901,
304.135


■ 88, 37.472,
108.383

■ 19, 86.165,
305.527

■ 93, 44.513,
107.986

■ 17, 90.553,

306.401

 98, 51.337,
107.641

Harmonies

Complementary

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



51, 19.293, 293.673



62, 18.362, 109.423

Rectangle

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



51, 19.293, 293.673



51, 19.293, 343.673



51, 19.293, 113.673



51, 19.293, 163.673

Sweetspot

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



51, 19.292, 293.672



75, 7.439, 292.049



60, 11.791, 199.873



39, 4.877, 292.101



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



51, 19.292, 293.672



62, 28.704, 294.280



52, 20.290, 310.629



30, 4.920, 292.258



15, 85.589, 306.412



0, 5.232, 291.357

Inverse Universe

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



54, 22.359, 326.435



67, 32.942, 326.690



61, 19.730, 128.689



30, 5.819, 325.740



33, 72.361, 329.452



1, 6.238, 325.370

Previews

White Background



This preview shows how the CIELCh color 51, 19.293, 293.673 looks on a white background.

Color Contrast Check

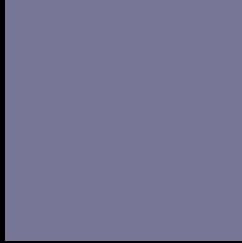
Large Text (above 18pt) WCAG AA ✓ Pass

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, 19.293, 293.673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

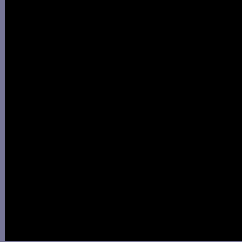
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 19.293, 293.673

Background



This preview shows how black text looks on a background with the CIELCh color 51, 19.293, 293.673.



This preview shows how white text looks on a background with the CIELCh color 51, 19.293, 293.673.

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, 19.293, 293.673

Protanopia

51, 19.336, 285.281

Deuteranopia

51, 18.673, 291.429



Tritanopia
51, 6.218, 269.258

Trichromacy



Original Color
51, 19.293, 293.673

Protanomaly
51, 19.283, 288.391

Deuteranomaly
51, 18.675, 292.524

Tritanomaly
51, 10.568, 283.376

Monochromacy



Original Color
51, 19.293, 293.673

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 7.013, 294.224

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 19.293, 293.673 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, 118, 151)` looks like.

```
.text, #text, p{  
    color:rgb(119, 118, 151)  
}
```

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, 118, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 118, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 19.293, 293.673 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, 118, 151) }
```

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

```
.border{ border-color:rgb(119, 118, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 118, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 118, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 118, 151);  
box-shadow:4px 4px 4px 4px rgb(119, 118,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 19.293, 293.673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 118, 151) }
```

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

```
.background{ background-color: rgb(119,  
118, 151) }
```

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