

Converting Colors

CIELCh(51, 33.968, 296.561)

Have a look what the booklet for
CIELCh(51, 33.968, 296.561)
contains.

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Color

CIELCh(51, 33.923, 296.550)

Conversions

Conversions Part 1

Format	Color
Hex	7773AD
RGB	119, 115, 173
RGB Percent	47%, 45%, 68%
CMY	0.5325, 0.5482, 0.3207
CMYK	0.31, 0.33, 0.00, 0.32
HSL	244°, 26%, 57%
HSV	244°, 33%, 68%
XYZ	21.3531, 19.2686, 42.2381
YIQ	122.8080, -16.2340, 18.8860

Conversions

Conversions Part 2

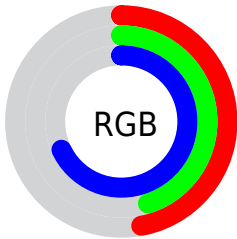
Format	Color
R _Y B	119, 115, 173
Decimal	7828397
CIE Lab	51.00, 15.16, -30.35
CIE LCh	51, 33.923, 296.550
Yxy	19.2686, 0.2577, 0.2325
Android (android.graphics.Color)	4286018477 (0xFF7773AD)
YUV	122.8080, 24.7447, -3.3396
Hunter-Lab	43.8960, 10.0127, -26.3234

Details

The CIELCh color $51, 33.923, 296.550$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $69, 31.282, 110.058$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 34.024, 296.697$, and $31, 33.757, 296.480$ is the 20% darker color. If you saturate the color by 10%, you get $45, 44.959, 298.036$, and if you desaturate by 10%, it is $57, 23.311, 295.258$.

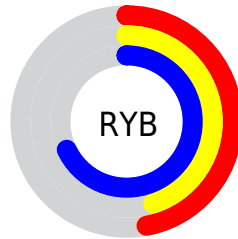
Distribution



Red (47%)

Green (45%)

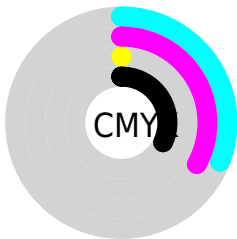
Blue (68%)



Red (47%)

Yellow (45%)

Blue (68%)

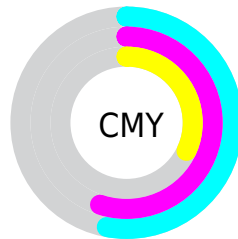


Cyan (31%)

Magenta (33%)

Yellow (0%)

Black (32%)



Cyan (53%)

Magenta (55%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 33.923, 296.550 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, 33.923, 296.550 by changing the saturation by 10% instead.

■ 51, 33.923,
296.550

■ 51, 33.923,
296.550

■ 100, 33.923,
296.550

■ 41, 33.923,
296.550

■ 71, 33.923,
296.550

■ 31, 33.923,
296.550

■ 81, 33.923,
296.550

■ 21, 33.923,
296.550

■ 91, 33.923,
296.550

■ 11, 33.923,
296.550

■ 1, 33.923, 296.550

■ 0, 33.923, 296.550

51, 33.923,
296.550

51, 33.923,
296.550

45, 44.959,
298.036

57, 23.311,
295.258

39, 56.366,
299.708

63, 13.123,
294.148

34, 67.950,
301.512

69, 3.337, 293.205

29, 79.220,
303.321

75, 6.073, 112.377

25, 89.194,
304.910

80, 15.136,
111.686


22, 96.415,
305.986

86, 23.875,
111.091

20, 99.774,
306.510

92, 32.312,
110.580

98, 40.468,
110.140

 98, 40.968,
107.050

Harmonies

Complementary

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



51, 33.923, 296.550



69, 31.282, 110.058

Rectangle

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



51, 33.923, 296.550



51, 33.923, 346.550



51, 33.923, 116.550



51, 33.923, 166.550

Sweetspot

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



51, 33.922, 296.550



82, 11.928, 293.816



66, 18.408, 204.657



42, 8.149, 293.950



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



51, 33.922, 296.550



60, 50.751, 297.601



54, 35.536, 312.869



34, 5.466, 293.733



17, 89.889, 306.548



1, 11.362, 292.395

Inverse Universe

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



56, 37.219, 328.227



68, 54.498, 328.623



67, 34.171, 129.848



34, 6.287, 326.851



35, 73.911, 331.137



2, 12.936, 327.265

Previews

White Background



This preview shows how the CIELCh color 51, 33.923, 296.550 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, 33.923, 296.550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

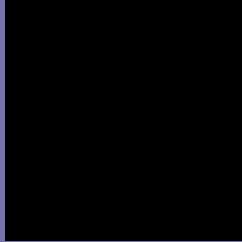
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 33.923, 296.550

Background



This preview shows how black text looks on a background with the CIELCh color 51, 33.923, 296.550.

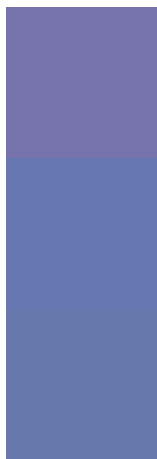


This preview shows how white text looks on a background with the CIELCh color 51, 33.923, 296.550.

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

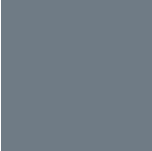
51, 33.923, 296.550

Protanopia

51, 33.961, 285.913

Deuteranopia

51, 30.560, 283.738



Tritanopia
51, 7.286, 252.474

Trichromacy



Original Color
51, 33.923, 296.550

Protanomaly
51, 33.822, 289.486

Deuteranomaly
51, 31.529, 288.789

Tritanomaly
51, 16.424, 284.702

Monochromacy



Original Color
51, 33.923, 296.550

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 12.286, 295.226

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 33.923, 296.550 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, 115, 173)` looks like.

```
.text, #text, p{  
    color:rgb(119, 115, 173)  
}
```

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, 115, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 115, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 33.923, 296.550 is called "border". The border property can be set on classes, ids or directly on the HTML element.

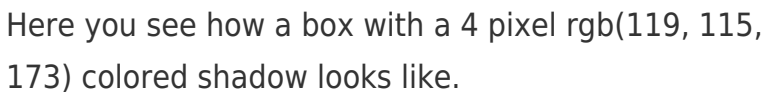
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 115, 173) }
```

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

```
.border{ border-color:rgb(119, 115, 173) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 115, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 115, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 115, 173); box-shadow:4px 4px 4px 4px rgb(119, 115, 173) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 33.923, 296.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 115, 173) }
```

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

```
.background{ background-color: rgb(119,  
115, 173) }
```

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](#).

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