

Converting Colors

CIELCh(51, 56.132, 299.550)

Have a look what the booklet for
CIELCh(51, 56.132, 299.550)
contains.

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Color

CIELCh(51, 55.959, 299.628)

Conversions

Conversions Part 1

Format	Color
Hex	776DCD
RGB	119, 109, 205
RGB Percent	47%, 43%, 80%
CMY	0.5333, 0.5725, 0.1961
CMYK	0.42, 0.47, 0.00, 0.20
HSL	246°, 49%, 62%
HSV	246°, 47%, 80%
XYZ	24.0976, 19.2686, 60.2103
YIQ	122.9340, -24.8560, 31.9760

Conversions

Conversions Part 2

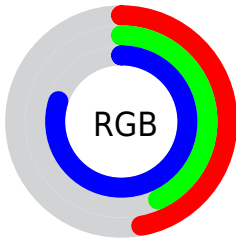
Format	Color
R_{YB}	119, 109, 205
Decimal	7826893
CIE _{Lab}	51.00, 27.66, -48.64
CIE _{LCh}	51, 55.959, 299.628
Yxy	19.2686, 0.2327, 0.1860
Android (android.graphics.Color)	4286016973 (0xFF776DCD)
YUV	122.9340, 40.4585, -3.4501
Hunter-Lab	43.8960, 21.1731, -50.5983

Details

The CIELCh color **51, 55.959, 299.628** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **80, 49.482, 110.553**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 51.683, 299.640**, and **31, 56.129, 299.854** is the 20% darker color. If you saturate the color by 10%, you get **45, 69.105, 301.233**, and if you desaturate by 10%, it is **58, 43.148, 298.175**.

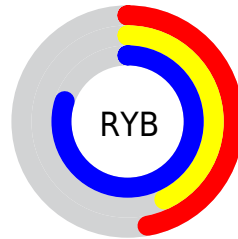
Distribution



Red (47%)

Green (43%)

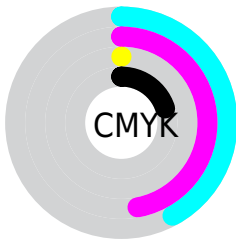
Blue (80%)



Red (47%)

Yellow (43%)

Blue (80%)

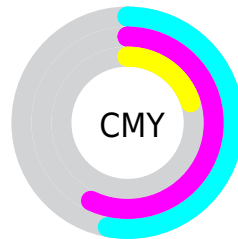


Cyan (42%)

Magenta (47%)

Yellow (0%)

Black (20%)



Cyan (53%)


Magenta (57%)


Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 55.959, 299.628 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, 55.959, 299.628 by changing the saturation by 10% instead.


 51, 55.959,
299.628


 51, 55.959,
299.628


 100, 55.959,
299.628


 41, 55.959,
299.628


 71, 55.959,
299.628

 31, 55.959,
299.628

 81, 55.959,
299.628

 21, 55.959,
299.628

 91, 55.959,
299.628

 11, 55.959,
299.628

 1, 55.959, 299.628

 0, 55.959, 299.628

51, 55.959,
299.628

51, 55.959,
299.628

45, 69.105,
301.233

58, 43.148,
298.175

38, 82.245,
302.912

64, 30.797,
296.897

33, 94.612,
304.505

71, 18.931,
295.791

29, 104.841,
305.761

78, 7.535, 294.843

26, 111.347,
306.429

85, 3.419, 114.020

25, 112.934,
306.607

91, 13.959,
113.330

98, 24.116,
112.736

99, 25.232,
108.263

Harmonies

Complementary

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



51, 55.959, 299.628



80, 49.482, 110.553

Rectangle

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



51, 55.959, 299.628



51, 55.959, 349.628



51, 55.959, 119.628



51, 55.959, 169.628

Sweetspot

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



51, 55.958, 299.629



89, 18.703, 295.525



74, 26.847, 208.778



46, 12.968, 295.743



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 55.958, 299.629



55, 81.279, 301.214



56, 57.626, 314.565



39, 6.264, 295.072



19, 96.332, 306.670



2, 23.608, 295.135

Inverse Universe

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



60, 57.301, 330.130



69, 79.812, 330.686



77, 54.762, 130.295



40, 7.018, 327.916



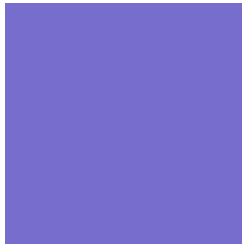
38, 77.194, 332.826



5, 26.691, 331.181

Previews

White Background



This preview shows how the CIELCh color 51, 55.959, 299.628 looks on a white background.

Color Contrast Check

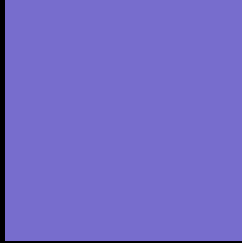
Large Text (above 18pt) WCAG AA ✓ Pass

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, 55.959, 299.628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

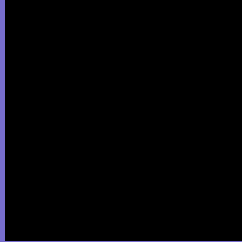
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 55.959, 299.628

Background



This preview shows how black text looks on a background with the CIELCh color 51, 55.959, 299.628.



This preview shows how white text looks on a background with the CIELCh color 51, 55.959, 299.628.

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





Tritanopia
51, 10.101, 234.133

Trichromacy



Original Color
51, 55.959, 299.628

Protanomaly
51, 55.827, 290.712

Deuteranomaly
51, 50.291, 286.946

Tritanomaly
51, 24.103, 284.316

Monochromacy



Original Color
51, 55.959, 299.628

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 20.514, 296.739

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 55.959, 299.628 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, 109, 205)` looks like.

```
.text, #text, p{  
    color:rgb(119, 109, 205)  
}
```

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, 109, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 109, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 55.959, 299.628 is called "border". The border property can be set on classes, ids or directly on the HTML element.

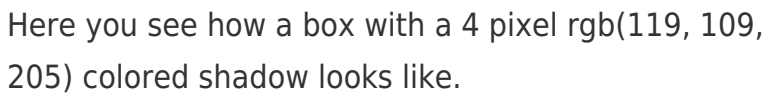
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 109, 205) }
```

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

```
.border{ border-color:rgb(119, 109, 205) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 109, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 109, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 109, 205); box-shadow:4px 4px 4px 4px rgb(119, 109, 205) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 55.959, 299.628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 109, 205) }
```

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

```
.background{ background-color: rgb(119,  
109, 205) }
```

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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