

Converting Colors

CIELCh(51, 49.514, 302.994)

Have a look what the booklet for
CIELCh(51, 49.514, 302.994)
contains.

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Color

CIELCh(51, 50.004, 303.055)

Conversions

Conversions Part 1

Format	Color
Hex	806CC1
RGB	128, 108, 193
RGB Percent	50%, 42%, 76%
CMY	0.4968, 0.5753, 0.2418
CMYK	0.34, 0.44, 0.00, 0.24
HSL	254°, 41%, 59%
HSV	254°, 44%, 76%
XYZ	24.0087, 19.2686, 53.1026
YIQ	123.6700, -15.3650, 30.6750

Conversions

Conversions Part 2

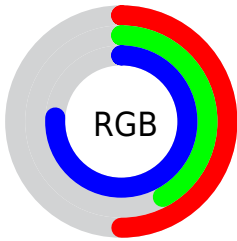
Format	Color
R_{YB}	128, 108, 193
Decimal	8416449
CIE _{Lab}	51.00, 27.27, -41.91
CIE _{LCh}	51, 50.004, 303.055
Yxy	19.2686, 0.2491, 0.1999
Android (android.graphics.Color)	4286606529 (0xFF806CC1)
YUV	123.6700, 34.1797, 3.7974
Hunter-Lab	43.8960, 20.8114, -40.9980

Details

The CIELCh color **51, 50.004, 303.055** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **75, 45.173, 116.576**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 49.863, 302.935**, and **31, 50.176, 303.112** is the 20% darker color. If you saturate the color by 10%, you get **45, 62.273, 304.157**, and if you desaturate by 10%, it is **57, 37.977, 302.035**.

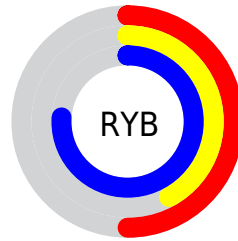
Distribution



Red (50%)

Green (42%)

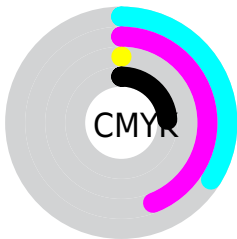
Blue (76%)



Red (50%)

Yellow (42%)

Blue (76%)

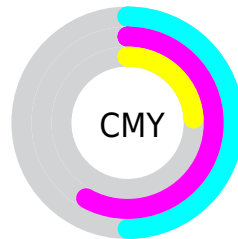


Cyan (34%)

Magenta (44%)

Yellow (0%)

Black (24%)



Cyan (50%)

Magenta (58%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 50.004, 303.055 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, 50.004, 303.055 by changing the saturation by 10% instead.

■ 51, 50.004,
303.055

■ 51, 50.004,
303.055

■ 100, 50.004,
303.055

■ 41, 50.004,
303.055

■ 71, 50.004,
303.055

■ 31, 50.004,
303.055

■ 81, 50.004,
303.055

■ 21, 50.004,
303.055

■ 91, 50.004,
303.055

■ 11, 50.004,
303.055

■ 1, 50.004, 303.055

■ 0, 50.004, 303.055

51, 50.004,
303.055

51, 50.004,
303.055

45, 62.273,
304.157

57, 37.977,
302.035

39, 74.506,
305.286

63, 26.317,
301.120

34, 86.139,
306.337

70, 15.062,
300.312

30, 96.205,
307.142

76, 4.217, 299.603

26, 103.423,
307.492


82, 6.234, 119.002

25, 106.552,
307.561

88, 16.309,
118.473

94, 26.032,
118.019

98, 31.244,
113.669

 99, 31.053,
107.816

Harmonies

Complementary

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



51, 50.004, 303.055



75, 45.173, 116.576

Rectangle

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



51, 50.004, 303.055



51, 50.004, 353.055



51, 50.004, 123.055



51, 50.004, 173.055

Sweetspot

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



51, 50.003, 303.055



89, 17.368, 300.254



67, 22.778, 226.956



46, 12.303, 300.424



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, 50.003, 303.055



59, 75.916, 304.142



55, 52.597, 318.630



38, 6.068, 299.974



20, 92.750, 307.667



1, 19.650, 297.472

Inverse Universe

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



57, 47.203, 334.827



69, 69.234, 335.606



72, 51.183, 134.499



38, 6.132, 332.366



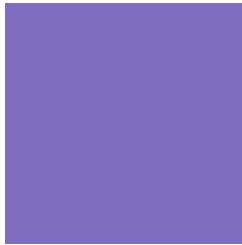
36, 68.384, 340.235



4, 19.364, 336.473

Previews

White Background



This preview shows how the CIELCh color 51, 50.004, 303.055 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, 50.004, 303.055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

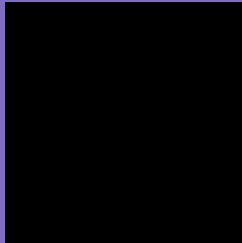
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 50.004, 303.055

Background



This preview shows how black text looks on a background with the CIELCh color 51, 50.004, 303.055.



This preview shows how white text looks on a background with the CIELCh color 51, 50.004, 303.055.

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

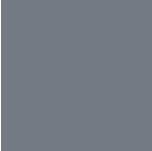
51, 50.004, 303.055

Protanopia

51, 49.079, 286.130

Deuteranopia

51, 41.426, 280.896



Tritanopia
51, 6.358, 266.065

Trichromacy



Original Color
51, 50.004, 303.055

Protanomaly
51, 48.880, 291.758

Deuteranomaly
51, 44.339, 289.596

Tritanomaly
51, 21.681, 295.711

Monochromacy



Original Color
51, 50.004, 303.055

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 18.381, 301.616

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 50.004, 303.055 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(128, 108, 193)` looks like.

```
.text, #text, p{  
    color:rgb(128, 108, 193)  
}
```

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(128, 108, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 108, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 50.004, 303.055 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(128, 108, 193) }
```

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

```
.border{ border-color:rgb(128, 108, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 108, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 108, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 108, 193);  
box-shadow:4px 4px 4px 4px rgb(128, 108,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 50.004, 303.055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 108, 193) }
```

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

```
.background{ background-color: rgb(128,  
108, 193) }
```

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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