

Converting Colors

CIELCh(51, 50.195, 304.005)

Have a look what the booklet for
CIELCh(51, 50.195, 304.005)
contains.

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Color

CIELCh(51, 50.057, 303.769)

Conversions

Conversions Part 1

Format	Color
Hex	826CC1
RGB	130, 108, 193
RGB Percent	51%, 42%, 76%
CMY	0.4908, 0.5771, 0.2438
CMYK	0.33, 0.44, 0.00, 0.24
HSL	256°, 41%, 59%
HSV	256°, 44%, 76%
XYZ	24.1341, 19.2686, 52.8005
YIQ	124.2680, -14.1730, 31.0990

Conversions

Conversions Part 2

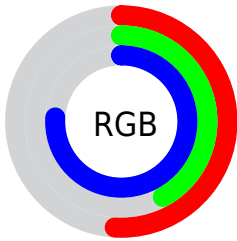
Format	Color
RYB	130, 108, 193
Decimal	8547521
CIELab	51.00, 27.82, -41.61
CIElCh	51, 50.057, 303.769
Yxy	19.2686, 0.2509, 0.2003
Android (android.graphics.Color)	4286737601 (0xFF826CC1)
YUV	124.2680, 33.8849, 5.0270
Hunter-Lab	43.8960, 21.3216, -40.5900

Details

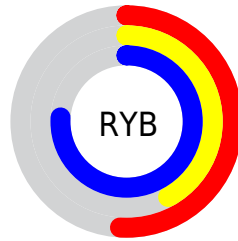
The CIELCh color `51, 50.057, 303.769` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `75, 45.332, 117.565`, and the grayscale version is `52, 0.007, 296.813`.

A 20% lighter version of the original color is `71, 49.941, 303.652`, and `31, 50.174, 303.775` is the 20% darker color. If you saturate the color by 10%, you get `45, 62.263, 304.802`, and if you desaturate by 10%, it is `57, 38.064, 302.806`.

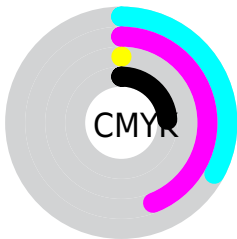
Distribution



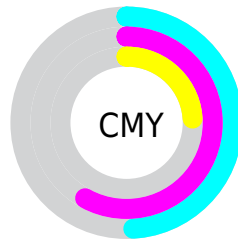
- Red (51%)
- Green (42%)
- Blue (76%)



- Red (51%)
- Yellow (42%)
- Blue (76%)



- Cyan (33%)
- Magenta (44%)
- Yellow (0%)
- Black (24%)



- Cyan (49%)
- Magenta (58%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 50.057, 303.769 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, 50.057, 303.769 by changing the saturation by 10% instead.

■ 51, 50.057,
303.769

■ 51, 50.057,
303.769

■ 100, 50.057,
303.769

■ 41, 50.057,
303.769

■ 71, 50.057,
303.769

■ 31, 50.057,
303.769

■ 81, 50.057,
303.769

■ 21, 50.057,
303.769

■ 91, 50.057,
303.769

■ 11, 50.057,
303.769

■ 1, 50.057, 303.769

■ 0, 50.057, 303.769

51, 50.057,
303.769

51, 50.057,
303.769

45, 62.263,
304.802

57, 38.064,
302.806

39, 74.398,
305.850

63, 26.418,
301.935

34, 85.895,
306.809

69, 15.166,
301.164

30, 95.809,
307.519

76, 4.314, 300.484

82, 6.148, 119.910

27, 102.911,
307.782

88, 16.238,
119.400

25, 105.979,
307.806

94, 25.977,
118.962

98, 31.608,
115.221

■ 99, 31.304,
107.796

Harmonies

Complementary

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



51, 50.057, 303.769



75, 45.332, 117.565

Rectangle

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



51, 50.057, 303.769



51, 50.057, 353.769



51, 50.057, 123.769



51, 50.057, 173.769

Sweetspot

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



51, 50.056, 303.769



88, 17.268, 301.101



67, 22.728, 229.412



45, 12.129, 301.263



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



51, 50.056, 303.769



58, 75.310, 304.777



55, 52.732, 319.153



38, 6.084, 300.834



20, 92.427, 307.918



1, 19.680, 298.091

Inverse Universe

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



57, 46.461, 335.807



68, 67.625, 336.624



72, 51.434, 134.963



38, 6.031, 333.248



36, 67.284, 341.768



4, 18.946, 337.810

Previews

White Background



This preview shows how the CIELCh color 51, 50.057, 303.769 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, 50.057, 303.769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

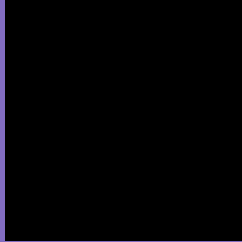
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 50.057, 303.769

Background



This preview shows how black text looks on a background with the CIELCh color 51, 50.057, 303.769.




This preview shows how white text looks on a background with the CIELCh color 51, 50.057, 303.769.

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, 5.549, 270.574

Trichromacy



Original Color
51, 50.057, 303.769

Protanomaly
51, 48.864, 292.065

Deuteranomaly
51, 43.750, 289.784

Tritanomaly
51, 21.155, 297.669

Monochromacy



Original Color
51, 50.057, 303.769

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, 50.057, 303.769 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(130, 108, 193)` looks like.

```
.text, #text, p{  
    color:rgb(130, 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(130, 108, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 108, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 50.057, 303.769 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(130, 108, 193) }
```

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

```
.border{ border-color:rgb(130, 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(130, 108, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 108, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 108, 193);  
box-shadow:4px 4px 4px 4px rgb(130, 108,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 50.057, 303.769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 108, 193) }
```

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

```
.background{ background-color: rgb(130,  
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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