

Converting Colors

CIELCh(52, 49.424, 302.867)

Have a look what the booklet for
CIELCh(52, 49.424, 302.867)
contains.

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Color

CIELCh(52, 49.252, 303.041)

Conversions

Conversions Part 1

Format	Color
Hex	836FC3
RGB	131, 111, 195
RGB Percent	51%, 44%, 76%
CMY	0.4861, 0.5646, 0.2352
CMYK	0.33, 0.43, 0.00, 0.24
HSL	254°, 41%, 60%
HSV	254°, 43%, 76%
XYZ	24.9061, 20.1443, 54.2239
YIQ	126.5560, -15.0440, 30.3640

Conversions

Conversions Part 2

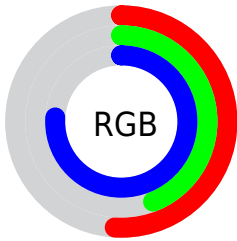
Format	Color
R_{YB}	131, 111, 195
Decimal	8613827
CIE _{Lab}	52.00, 26.85, -41.29
CIE _{LCh}	52, 49.252, 303.041
Yxy	20.1443, 0.2509, 0.2029
Android (android.graphics.Color)	4286803907 (0xFF836FC3)
YUV	126.5560, 33.7429, 3.8974
Hunter-Lab	44.8824, 20.5087, -40.2125

Details

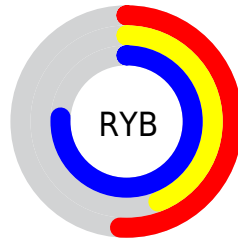
The CIELCh color $52, 49.252, 303.041$ is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be $76, 44.619, 116.740$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 49.187, 302.964$, and $32, 49.316, 302.996$ is the 20% darker color. If you saturate the color by 10%, you get $46, 61.591, 304.130$, and if you desaturate by 10%, it is $58, 37.170, 302.036$.

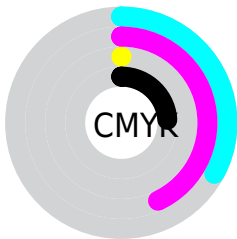
Distribution



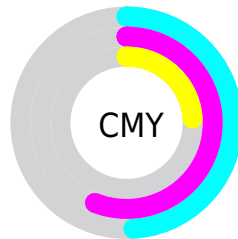
- Red (51%)
- Green (44%)
- Blue (76%)



- Red (51%)
- Yellow (44%)
- Blue (76%)



- Cyan (33%)
- Magenta (43%)
- Yellow (0%)
- Black (24%)





- Cyan (49%)
- Magenta (56%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 49.252, 303.041 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 52, 49.252, 303.041 by changing the saturation by 10% instead.


 52, 49.252,
303.041


 52, 49.252,
303.041


 100, 49.252,
303.041


 42, 49.252,
303.041


 72, 49.252,
303.041

 32, 49.252,
303.041

 82, 49.252,
303.041

 22, 49.252,
303.041

 92, 49.252,
303.041

 12, 49.252,
303.041

 2, 49.252, 303.041

 0, 49.252, 303.041

52, 49.252,
303.041

52, 49.252,
303.041

46, 61.591,
304.130

58, 37.170,
302.036

40, 73.924,
305.251

64, 25.461,
301.135

35, 85.714,
306.305

71, 14.161,
300.340

30, 96.024,
307.130

77, 3.273, 299.642

83, 7.220, 119.053


27, 103.580,
307.517

89, 17.338,
118.533

25, 107.216,
307.583

95, 27.102,
118.087

98, 30.286,
111.528

 99, 30.210,
107.881

Harmonies

Complementary

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



52, 49.252, 303.041



76, 44.619, 116.740

Rectangle

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



52, 49.252, 303.041



52, 49.252, 353.041



52, 49.252, 123.041



52, 49.252, 173.041

Sweetspot

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



52, 49.251, 303.041



89, 17.372, 300.349



68, 22.552, 226.833



46, 12.306, 300.520



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 49.251, 303.041



59, 74.389, 304.101



56, 51.891, 318.596



38, 6.070, 300.071



20, 92.715, 307.694



1, 19.653, 297.542

Inverse Universe

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



58, 46.531, 334.867



69, 67.987, 335.636



73, 50.519, 134.551



38, 6.120, 332.464



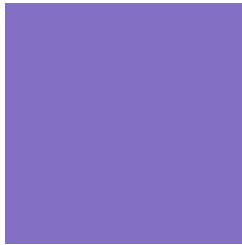
36, 68.257, 340.405



4, 19.316, 336.622

Previews

White Background



This preview shows how the CIELCh color 52, 49.252, 303.041 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 52, 49.252, 303.041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

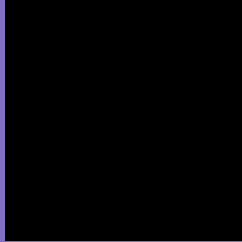
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 49.252, 303.041

Background



This preview shows how black text looks on a background with the CIELCh color 52, 49.252, 303.041.

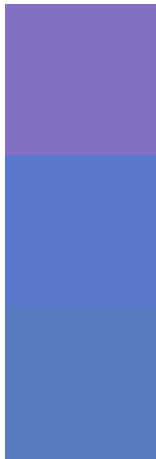


This preview shows how white text looks on a background with the CIELCh color 52, 49.252, 303.041.

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

52, 49.252, 303.041

Protanopia

52, 48.368, 286.039

Deuteranopia

52, 40.093, 280.691



Tritanopia
52, 6.200, 269.235

Trichromacy



Original Color
52, 49.252, 303.041

Protanomaly
52, 48.730, 291.967

Deuteranomaly
52, 43.004, 289.475

Tritanomaly
52, 21.641, 296.619

Monochromacy



Original Color
52, 49.252, 303.041

Achromatopsia
53, 0.007, 296.813

Achromatomaly
52, 18.245, 300.444

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 49.252, 303.041 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(131, 111, 195)` looks like.

```
.text, #text, p{  
    color:rgb(131, 111, 195)  
}
```

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(131, 111, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 111, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 49.252, 303.041 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(131, 111, 195) }
```

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

```
.border{ border-color:rgb(131, 111, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 111, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 111, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 111, 195);  
box-shadow:4px 4px 4px 4px rgb(131, 111,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 49.252, 303.041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 111, 195) }
```

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

```
.background{ background-color: rgb(131,  
111, 195) }
```

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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