

Converting Colors

CIELCh(51, 39.600, 303.419)

Have a look what the booklet for
CIELCh(51, 39.600, 303.419)
contains.

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Color

CIELCh(51, 39.654, 303.437)

Conversions

Conversions Part 1

Format	Color
Hex	816FB2
RGB	129, 111, 178
RGB Percent	51%, 44%, 70%
CMY	0.4939, 0.5645, 0.3017
CMYK	0.28, 0.38, 0.00, 0.30
HSL	256°, 30%, 57%
HSV	256°, 38%, 70%
XYZ	22.7937, 19.2686, 44.6682
YIQ	124.0200, -10.7790, 24.6530

Conversions

Conversions Part 2

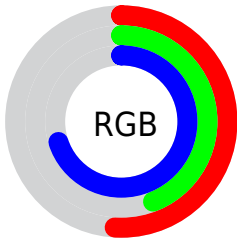
Format	Color
R_{YB}	129, 111, 178
Decimal	8482738
CIE _{Lab}	51.00, 21.85, -33.09
CIE _{LCh}	51, 39.654, 303.437
Yxy	19.2686, 0.2628, 0.2222
Android (android.graphics.Color)	4286672818 (0xFF816FB2)
YUV	124.0200, 26.6121, 4.3675
Hunter-Lab	43.8960, 15.8707, -29.6057

Details

The CIELCh color $51, 39.654, 303.437$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $70, 36.591, 118.358$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 39.514, 303.271$, and $31, 39.740, 303.660$ is the 20% darker color. If you saturate the color by 10%, you get $45, 50.970, 304.397$, and if you desaturate by 10%, it is $57, 28.620, 302.559$.

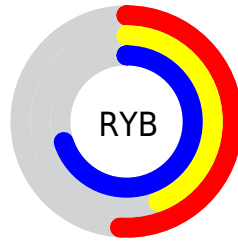
Distribution



Red (51%)

Green (44%)

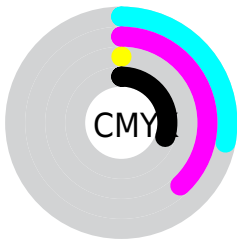
Blue (70%)



Red (51%)

Yellow (44%)

Blue (70%)

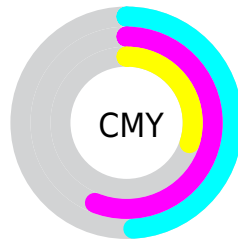


Cyan (28%)

Magenta (38%)

Yellow (0%)

Black (30%)



Cyan (49%)


Magenta (56%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 39.654, 303.437 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, 39.654, 303.437 by changing the saturation by 10% instead.


 51, 39.654,
303.437


 51, 39.654,
303.437


 100, 39.654,
303.437


 41, 39.654,
303.437


 71, 39.654,
303.437

 31, 39.654,
303.437

 81, 39.654,
303.437

 21, 39.654,
303.437

 91, 39.654,
303.437

 11, 39.654,
303.437

 1, 39.654, 303.437

 0, 39.654, 303.437

51, 39.654,
303.437

51, 39.654,
303.437

45, 50.970,
304.397

57, 28.620,
302.559

40, 62.409,
305.407

62, 17.939,
301.775

35, 73.629,
306.400

68, 7.629, 301.082

30, 84.005,
307.258

74, 2.315, 120.498

26, 92.560,
307.810

80, 11.908,
119.964


24, 98.405,
307.926

85, 21.168,
119.511

23, 99.662,
307.965

91, 30.114,
119.121

96, 38.766,
118.785

 98, 38.766,
112.214

Harmonies

Complementary

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



51, 39.654, 303.437



70, 36.591, 118.358

Rectangle

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



51, 39.654, 303.437



51, 39.654, 353.437



51, 39.654, 123.437



51, 39.654, 173.437

Sweetspot

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



51, 39.653, 303.437



84, 13.724, 301.318



63, 18.662, 230.850



44, 9.318, 301.410



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



51, 39.653, 303.437



60, 59.565, 304.214



54, 42.406, 319.412



35, 5.690, 301.193



19, 88.994, 308.067



1, 13.477, 298.280

Inverse Universe

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



55, 37.209, 335.696



67, 54.656, 336.353



68, 41.572, 135.841



35, 5.595, 333.626



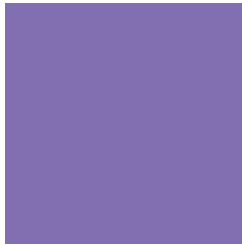
34, 64.526, 342.368



2, 12.531, 337.113

Previews

White Background



This preview shows how the CIE LCh color 51, 39.654, 303.437 looks on a white background.

Color Contrast Check

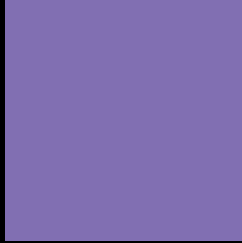
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 39.654, 303.437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

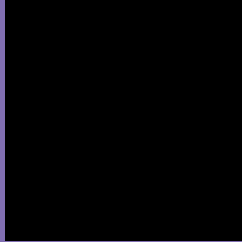
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 39.654, 303.437

Background



This preview shows how black text looks on a background with the CIELCh color 51, 39.654, 303.437.



This preview shows how white text looks on a background with the CIELCh color 51, 39.654, 303.437.

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, 39.654, 303.437

Protanopia

51, 38.653, 285.615

Deuteranopia

51, 32.382, 282.498



Tritanopia
51, 5.838, 287.132

Trichromacy



Original Color
51, 39.654, 303.437

Protanomaly
51, 38.478, 291.664

Deuteranomaly
51, 34.972, 291.347

Tritanomaly
51, 18.302, 299.342

Monochromacy



Original Color
51, 39.654, 303.437

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 14.859, 302.139

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 39.654, 303.437 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(129, 111, 178)` looks like.

```
.text, #text, p{  
    color:rgb(129, 111, 178)  
}
```

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(129, 111, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 111, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 39.654, 303.437 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(129, 111, 178) }
```

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

```
.border{ border-color:rgb(129, 111, 178) }
```

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

Here you see how a box with a 4 pixel rgb(129, 111, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 111, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 111, 178);  
box-shadow:4px 4px 4px 4px rgb(129, 111,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 39.654, 303.437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 111, 178) }
```

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

```
.background{ background-color: rgb(129,  
111, 178) }
```

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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