

Converting Colors

CIELCh(51, 43.203, 322.060)

Have a look what the booklet for
CIELCh(51, 43.203, 322.060)
contains.

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Color

CIELCh(51, 42.949, 321.999)

Conversions

Conversions Part 1

Format	Color
Hex	9D65A7
RGB	157, 101, 167
RGB Percent	62%, 40%, 65%
CMY	0.3843, 0.6039, 0.3451
CMYK	0.06, 0.40, 0.00, 0.35
HSL	291°, 27%, 53%
HSV	291°, 40%, 65%
XYZ	25.5370, 19.2686, 38.9374
YIQ	125.2680, 12.1900, 32.3980

Conversions

Conversions Part 2

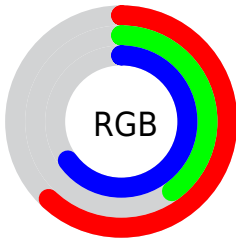
Format	Color
R _Y B	157, 101, 167
Decimal	10315175
CIE _{Lab}	51.00, 33.84, -26.44
CIE _{LCh}	51, 42.949, 321.999
Y _{xy}	19.2686, 0.3049, 0.2301
Android (android.graphics.Color)	4288505255 (0xFF9D65A7)
YUV	125.2680, 20.5739, 27.8290
Hunter-Lab	43.8960, 27.0265, -21.8652

Details

The CIELCh color **51, 42.949, 321.999** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **63, 42.456, 137.930**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 42.891, 322.303**, and **31, 43.090, 321.778** is the 20% darker color. If you saturate the color by 10%, you get **47, 53.311, 322.379**, and if you desaturate by 10%, it is **55, 32.150, 321.572**.

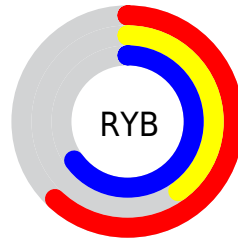
Distribution



Red (62%)

Green (40%)

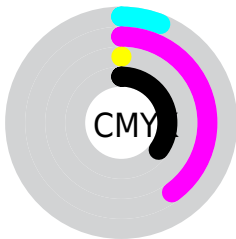
Blue (65%)



Red (62%)

Yellow (40%)

Blue (65%)

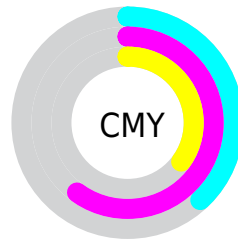


Cyan (6%)

Magenta (40%)

Yellow (0%)

Black (35%)



Cyan (38%)


Magenta (60%)


Yellow (35%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 42.949, 321.999 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, 42.949, 321.999 by changing the saturation by 10% instead.


 51, 42.949,
321.999


 51, 42.949,
321.999


 100, 42.949,
321.999


 41, 42.949,
321.999


 71, 42.949,
321.999

 31, 42.949,
321.999

 81, 42.949,
321.999

 21, 42.949,
321.999

 91, 42.949,
321.999

 11, 42.949,
321.999

 1, 42.949, 321.999

 0, 42.949, 321.999

51, 42.949,
321.999

51, 42.949,
321.999

47, 53.311,
322.379

55, 32.150,
321.572

44, 62.875,
322.681

60, 21.194,
321.118

41, 71.198,
322.874

64, 10.266,
320.652

38, 77.816,
322.919

69, 0.508, 140.602

36, 82.367,
322.787

73, 11.052,
139.803


35, 85.090,
322.496

78, 21.325,
139.381

35, 85.214,
322.482

83, 31.307,
138.989

88, 40.992,
138.625

 92, 50.385,
138.289

Harmonies

Complementary

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



51, 42.949, 321.999



63, 42.456, 137.930

Rectangle

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



51, 42.949, 321.999



51, 42.949, 11.999



51, 42.949, 141.999



51, 42.949, 191.999

Sweetspot

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



51, 42.947, 321.999



80, 16.036, 320.779



48, 32.429, 288.117



42, 10.732, 320.837



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



51, 42.947, 321.999



61, 62.694, 322.320



51, 35.468, 338.709



33, 6.142, 320.641



31, 77.925, 322.537



2, 10.964, 318.746

Inverse Universe

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



50, 28.453, 11.686



60, 42.448, 13.263



63, 34.934, 152.223



33, 3.793, 7.764



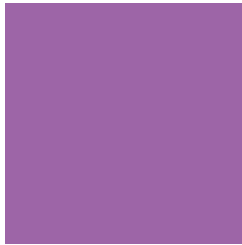
30, 63.315, 31.876



1, 6.706, 8.693

Previews

White Background



This preview shows how the CIELCh color 51, 42.949, 321.999 looks on a white background.

Color Contrast Check

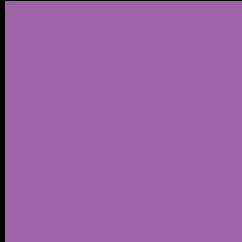
Large Text (above 18pt) WCAG AA ✓ Pass

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, 42.949, 321.999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

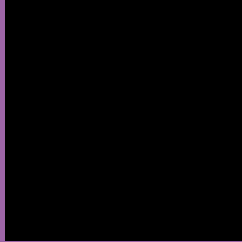
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 42.949, 321.999

Background



This preview shows how black text looks on a background with the CIELCh color 51, 42.949, 321.999.



This preview shows how white text looks on a background with the CIELCh color 51, 42.949, 321.999.

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, 42.949, 321.999

Protanopia
51, 36.279, 285.439

Deuteranopia
51, 25.173, 285.624



Tritanopia
51, 16.909, 3.648

Trichromacy



Original Color
51, 42.949, 321.999

Protanomaly
51, 37.537, 298.692

Deuteranomaly
51, 30.311, 303.032

Tritanomaly
51, 24.986, 338.536

Monochromacy



Original Color
51, 42.949, 321.999

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 16.213, 321.781

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 42.949, 321.999 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(157, 101, 167)` looks like.

```
.text, #text, p{  
    color:rgb(157, 101, 167)  
}
```

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(157, 101, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 101, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 42.949, 321.999 is called "border". The border property can be set on classes, ids or directly on the HTML element.

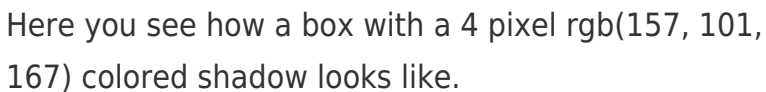
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 101, 167) }
```

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

```
.border{ border-color:rgb(157, 101, 167) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 101, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 101, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 101, 167);  
box-shadow:4px 4px 4px 4px rgb(157, 101,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 42.949, 321.999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 101, 167) }
```

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

```
.background{ background-color: rgb(157,  
101, 167) }
```

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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