

Converting Colors

CIELCh(51, 35.941, 302.049)

Have a look what the booklet for
CIELCh(51, 35.941, 302.049)
contains.

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Color

CIELCh(51, 35.997, 301.920)

Conversions

Conversions Part 1

Format	Color
Hex	7F71AE
RGB	127, 113, 174
RGB Percent	50%, 44%, 68%
CMY	0.5033, 0.5581, 0.3190
CMYK	0.27, 0.35, 0.00, 0.32
HSL	254°, 27%, 56%
HSV	254°, 35%, 68%
XYZ	22.1791, 19.2686, 42.4192
YIQ	124.1400, -11.2370, 21.9390

Conversions

Conversions Part 2

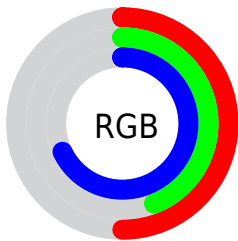
Format	Color
R_{YB}	127, 113, 174
Decimal	8352174
CIE _{Lab}	51.00, 19.03, -30.55
CIE _{LCh}	51, 35.997, 301.920
Yxy	19.2686, 0.2645, 0.2298
Android (android.graphics.Color)	4286542254 (0xFF7F71AE)
YUV	124.1400, 24.5810, 2.5082
Hunter-Lab	43.8960, 13.3717, -26.5680

Details

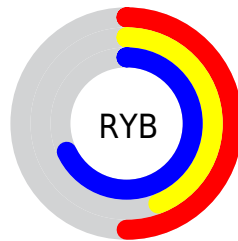
The CIELCh color **51, 35.997, 301.920** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **69, 33.323, 116.869**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 36.046, 301.888**, and **31, 35.859, 301.941** is the 20% darker color. If you saturate the color by 10%, you get **45, 47.042, 302.956**, and if you desaturate by 10%, it is **57, 25.280, 300.989**.

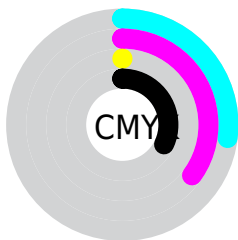
Distribution



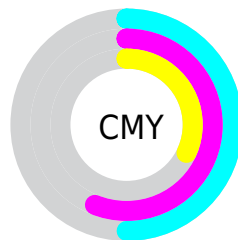
- Red (50%)
- Green (44%)
- Blue (68%)



- Red (50%)
- Yellow (44%)
- Blue (68%)



- Cyan (27%)
- Magenta (35%)
- Yellow (0%)
- Black (32%)



- Cyan (50%)
- Magenta (56%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 35.997, 301.920 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, 35.997, 301.920 by changing the saturation by 10% instead.

■ 51, 35.997,
301.920

■ 51, 35.997,
301.920

■ 100, 35.997,
301.920

■ 41, 35.997,
301.920

■ 71, 35.997,
301.920

■ 31, 35.997,
301.920

■ 81, 35.997,
301.920

■ 21, 35.997,
301.920

■ 91, 35.997,
301.920

■ 11, 35.997,
301.920

■ 1, 35.997, 301.920

■ 0, 35.997, 301.920

51, 35.997,
301.920

51, 35.997,
301.920

45, 47.042,
302.956

57, 25.280,
300.989

40, 58.303,
304.072

62, 14.935,
300.166

35, 69.513,
305.213

68, 4.964, 299.446

30, 80.141,
306.272

74, 4.645, 118.832

26, 89.286,
307.077

79, 13.910,
118.291

23, 95.790,
307.427

85, 22.852,
117.827

22, 98.386,
307.559

90, 31.490,
117.427

96, 39.845,
117.084

 98, 40.883,
111.347

Harmonies

Complementary

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



51, 35.997, 301.920



69, 33.323, 116.869

Rectangle

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



51, 35.997, 301.920



51, 35.997, 351.920



51, 35.997, 121.920



51, 35.997, 171.920

Sweetspot

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



51, 35.996, 301.920



82, 13.420, 299.873



63, 17.378, 223.516



43, 9.111, 299.970



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



51, 35.996, 301.920



61, 54.239, 302.702



54, 38.383, 317.742



34, 5.530, 299.737



18, 88.416, 307.647



1, 11.460, 297.493

Inverse Universe

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



55, 35.005, 333.901



67, 51.672, 334.460



67, 37.474, 134.545



34, 5.617, 332.129



34, 65.513, 339.764



2, 11.141, 334.619

Previews

White Background



This preview shows how the CIELCh color 51, 35.997, 301.920 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, 35.997, 301.920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

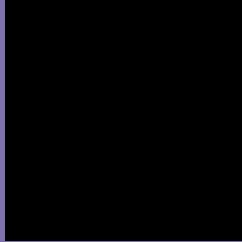
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 35.997, 301.920

Background



This preview shows how black text looks on a background with the CIELCh color 51, 35.997, 301.920.

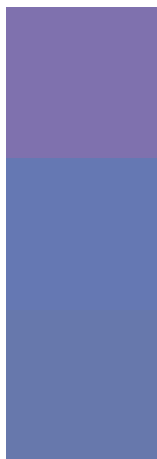


This preview shows how white text looks on a background with the CIELCh color 51, 35.997, 301.920.

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, 35.997, 301.920

Protanopia

51, 34.588, 284.677

Deuteranopia

51, 30.560, 283.738



Tritanopia
51, 5.925, 279.682

Trichromacy



Original Color
51, 35.997, 301.920

Protanomaly
51, 34.985, 290.844

Deuteranomaly
51, 32.661, 291.369

Tritanomaly
51, 17.005, 296.017

Monochromacy



Original Color
51, 35.997, 301.920

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 12.993, 300.101

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 35.997, 301.920 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(127, 113, 174)` looks like.

```
.text, #text, p{  
    color:rgb(127, 113, 174)  
}
```

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(127, 113, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 113, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 35.997, 301.920 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(127, 113, 174) }
```

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

```
.border{ border-color:rgb(127, 113, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 113, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 113, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 113, 174);  
box-shadow:4px 4px 4px 4px rgb(127, 113,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 35.997, 301.920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 113, 174) }
```

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

```
.background{ background-color: rgb(127,  
113, 174) }
```

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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