

Converting Colors

CIELCh(51, 34.282, 301.585)

Have a look what the booklet for
CIELCh(51, 34.282, 301.585)
contains.

CIELCh(51, 34.252, 301.628)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 34.252, 301.628)

Conversions

Conversions Part 1

Format	Color
Hex	7E71AB
RGB	126, 113, 171
RGB Percent	49%, 44%, 67%
CMY	0.5049, 0.5559, 0.3284
CMYK	0.26, 0.34, 0.00, 0.33
HSL	253°, 26%, 56%
HSV	253°, 34%, 67%
XYZ	21.9484, 19.2686, 41.2204
YIQ	123.4990, -10.8700, 20.7940

Conversions

Conversions Part 2

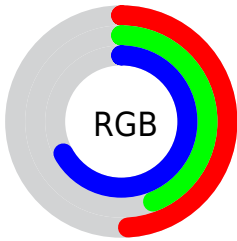
Format	Color
R_{YB}	126, 113, 171
Decimal	8286635
CIE _{Lab}	51.00, 17.96, -29.16
CIE _{LCh}	51, 34.252, 301.628
Yxy	19.2686, 0.2662, 0.2337
Android (android.graphics.Color)	4286476715 (0xFF7E71AB)
YUV	123.4990, 23.4180, 2.1934
Hunter-Lab	43.8960, 12.4336, -24.9488

Details

The CIELCh color $51, 34.252, 301.628$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $68, 31.799, 116.734$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 34.394, 301.658$, and $31, 33.997, 301.540$ is the 20% darker color. If you saturate the color by 10%, you get $45, 45.137, 302.663$, and if you desaturate by 10%, it is $57, 23.702, 300.701$.

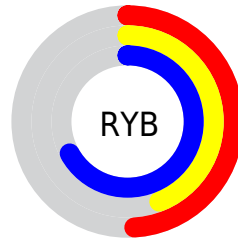
Distribution



Red (49%)

Green (44%)

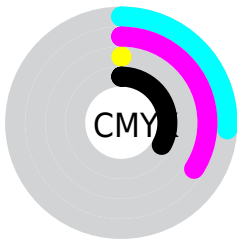
Blue (67%)



Red (49%)

Yellow (44%)

Blue (67%)

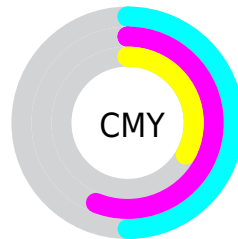


Cyan (26%)

Magenta (34%)

Yellow (0%)

Black (33%)



Cyan (50%)

Magenta (56%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 34.252, 301.628 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, 34.252, 301.628 by changing the saturation by 10% instead.

■ 51, 34.252,
301.628

■ 51, 34.252,
301.628

■ 100, 34.252,
301.628

■ 41, 34.252,
301.628

■ 71, 34.252,
301.628

■ 31, 34.252,
301.628

■ 81, 34.252,
301.628

■ 21, 34.252,
301.628

■ 91, 34.252,
301.628

■ 11, 34.252,
301.628

■ 1, 34.252, 301.628

■ 0, 34.252, 301.628

51, 34.252,
301.628

51, 34.252,
301.628

45, 45.137,
302.663

57, 23.702,
300.701

40, 56.262,
303.786

62, 13.523,
299.884

35, 67.388,
304.946

68, 3.715, 299.169

30, 78.033,
306.043

74, 5.737, 118.561

26, 87.354,
306.913

79, 14.852,
118.027


23, 94.196,
307.349

85, 23.649,
117.567

21, 97.438,
307.517

90, 32.149,
117.172

95, 40.371,
116.832

 98, 42.091,
111.824

Harmonies

Complementary

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



51, 34.252, 301.628



68, 31.799, 116.734

Rectangle

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



51, 34.252, 301.628



51, 34.252, 351.628



51, 34.252, 121.628



51, 34.252, 171.628

Sweetspot

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



51, 34.251, 301.628



81, 11.948, 299.609



63, 16.659, 223.396



43, 8.238, 299.709



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



51, 34.251, 301.628



60, 51.874, 302.431



54, 36.605, 317.689



34, 5.527, 299.547



18, 88.481, 307.596



1, 11.456, 297.332

Inverse Universe

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



55, 33.538, 333.610



66, 49.759, 334.175



66, 35.768, 134.616



34, 5.638, 331.941



34, 65.753, 339.442



2, 11.191, 334.368

Previews

White Background



This preview shows how the CIELCh color 51, 34.252, 301.628 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, 34.252, 301.628 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, 34.252, 301.628

Background



This preview shows how black text looks on a background with the CIELCh color 51, 34.252, 301.628.



This preview shows how white text looks on a background with the CIELCh color 51, 34.252, 301.628.

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, 34.252, 301.628

Protanopia

51, 32.819, 284.861

Deuteranopia

51, 29.346, 284.299



Tritanopia
51, 5.870, 283.373

Trichromacy



Original Color
51, 34.252, 301.628

Protanomaly
51, 32.640, 290.234

Deuteranomaly
51, 30.313, 290.812

Tritanomaly
51, 16.457, 297.371

Monochromacy



Original Color
51, 34.252, 301.628

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 12.418, 300.448

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 34.252, 301.628 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(126, 113, 171)` looks like.

```
.text, #text, p{  
    color:rgb(126, 113, 171)  
}
```

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(126, 113, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 113, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 34.252, 301.628 is called "border". The border property can be set on classes, ids or directly on the HTML element.

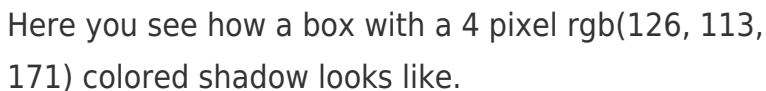
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(126, 113, 171) }
```

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

```
.border{ border-color:rgb(126, 113, 171) }
```

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



Here you see how a box with a 4 pixel `rgb(126, 113, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 113, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 113, 171); box-shadow:4px 4px 4px 4px rgb(126, 113, 171) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 34.252, 301.628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 113, 171) }
```

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

```
.background{ background-color: rgb(126,  
113, 171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor