

Converting Colors

CIELCh(51, 35.883, 298.721)

Have a look what the booklet for
CIELCh(51, 35.883, 298.721)
contains.

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Color

CIELCh(51, 35.766, 298.721)

Conversions

Conversions Part 1

Format	Color
Hex	7A72AF
RGB	122, 114, 175
RGB Percent	48%, 45%, 69%
CMY	0.5215, 0.5529, 0.3137
CMYK	0.30, 0.35, 0.00, 0.31
HSL	248°, 28%, 57%
HSV	248°, 35%, 69%
XYZ	21.7825, 19.2686, 43.1305
YIQ	123.3460, -14.8130, 20.6670

Conversions

Conversions Part 2

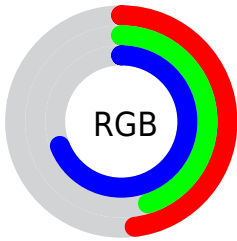
Format	Color
R _Y B	122, 114, 175
Decimal	8024751
CIE Lab	51.00, 17.19, -31.37
CIE LCh	51, 35.766, 298.721
Yxy	19.2686, 0.2588, 0.2289
Android (android.graphics.Color)	4286214831 (0xFF7A72AF)
YUV	123.3460, 25.4654, -1.1804
Hunter-Lab	43.8960, 11.7591, -27.5288

Details

The CIELCh color **51, 35.766, 298.721** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **70, 32.924, 112.672**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 35.783, 298.752**, and **31, 35.703, 298.771** is the 20% darker color. If you saturate the color by 10%, you get **45, 46.923, 300.032**, and if you desaturate by 10%, it is **57, 25.003, 297.566**.

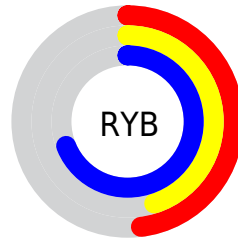
Distribution



Red (48%)

Green (45%)

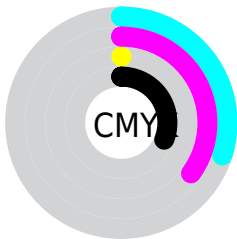
Blue (69%)



Red (48%)

Yellow (45%)

Blue (69%)

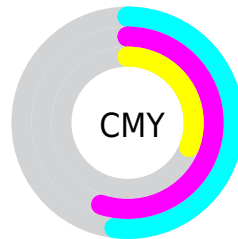


Cyan (30%)

Magenta (35%)

Yellow (0%)

Black (31%)



Cyan (52%)


Magenta (55%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 35.766, 298.721 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, 35.766, 298.721 by changing the saturation by 10% instead.


 51, 35.766,
298.721


 51, 35.766,
298.721


 100, 35.766,
298.721


 41, 35.766,
298.721


 71, 35.766,
298.721

 31, 35.766,
298.721

 81, 35.766,
298.721

 21, 35.766,
298.721

 91, 35.766,
298.721

 11, 35.766,
298.721

 1, 35.766, 298.721

 0, 35.766, 298.721

51, 35.766,
298.721

51, 35.766,
298.721

45, 46.923,
300.032

57, 25.003,
297.566

39, 58.391,
301.483

63, 14.653,
296.564

34, 69.930,
303.016

69, 4.702, 295.702

29, 81.002,
304.507

74, 4.871, 114.954

25, 90.606,
305.748

80, 14.091,
114.319


22, 97.373,
306.484

86, 22.982,
113.773

21, 100.084,
306.794

92, 31.566,
113.303

97, 39.863,
112.899

 98, 40.094,
107.118

Harmonies

Complementary

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



51, 35.766, 298.721



70, 32.924, 112.672

Rectangle

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



51, 35.766, 298.721



51, 35.766, 348.721



51, 35.766, 118.721



51, 35.766, 168.721

Sweetspot

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



51, 35.765, 298.721



83, 12.077, 296.144



65, 18.393, 210.462



43, 8.328, 296.264



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, 35.765, 298.721



60, 54.059, 299.740



54, 37.643, 314.550



34, 5.484, 296.068



17, 89.455, 306.856



1, 11.389, 294.380

Inverse Universe

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



56, 37.408, 330.303



68, 55.227, 330.781



67, 36.346, 131.442



34, 6.021, 328.751



34, 70.464, 334.140



2, 12.185, 329.985

Previews

White Background



This preview shows how the CIELCh color 51, 35.766, 298.721 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, 35.766, 298.721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

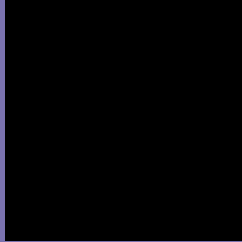
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 35.766, 298.721

Background



This preview shows how black text looks on a background with the CIELCh color 51, 35.766, 298.721.

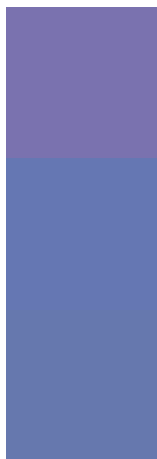


This preview shows how white text looks on a background with the CIELCh color 51, 35.766, 298.721.

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

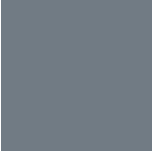
51, 35.766, 298.721

Protanopia

51, 35.163, 285.449

Deuteranopia

51, 31.730, 283.787



Tritanopia
51, 6.402, 254.388

Trichromacy



Original Color
51, 35.766, 298.721

Protanomaly
51, 35.574, 290.491

Deuteranomaly
51, 32.676, 289.146

Tritanomaly
51, 16.362, 287.178

Monochromacy



Original Color
51, 35.766, 298.721

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 12.898, 296.789

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 35.766, 298.721 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(122, 114, 175)` looks like.

```
.text, #text, p{  
    color:rgb(122, 114, 175)  
}
```

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(122, 114, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 114, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 35.766, 298.721 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(122, 114, 175) }
```

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

```
.border{ border-color:rgb(122, 114, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 114, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 114, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 114, 175);  
box-shadow:4px 4px 4px 4px rgb(122, 114,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 35.766, 298.721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 114, 175) }
```

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

```
.background{ background-color: rgb(122,  
114, 175) }
```

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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