

Converting Colors

CIELCh(51, 32.954, 294.170)

Have a look what the booklet for
CIELCh(51, 32.954, 294.170)
contains.

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Color

CIELCh(51, 33.266, 294.267)

Conversions

Conversions Part 1

Format	Color
Hex	7474AD
RGB	116, 116, 173
RGB Percent	45%, 45%, 68%
CMY	0.5445, 0.5445, 0.3210
CMYK	0.33, 0.33, 0.00, 0.32
HSL	240°, 26%, 57%
HSV	240°, 33%, 68%
XYZ	21.0404, 19.2686, 42.2216
YIQ	122.4980, -18.2970, 17.7270

Conversions

Conversions Part 2

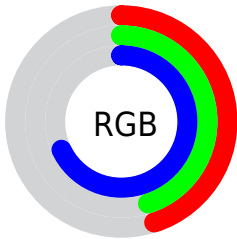
Format	Color
R_{YB}	116, 116, 173
Decimal	7632045
CIE _{Lab}	51.00, 13.67, -30.33
CIE _{LCh}	51, 33.266, 294.267
Yxy	19.2686, 0.2549, 0.2335
Android (android.graphics.Color)	4285822125 (0xFF7474AD)
YUV	122.4980, 24.8975, -5.6987
Hunter-Lab	43.8960, 8.7412, -26.3011

Details

The CIELCh color $51, 33.266, 294.267$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $70, 30.705, 107.049$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 33.386, 294.481$, and $31, 33.080, 294.187$ is the 20% darker color. If you saturate the color by 10%, you get $45, 44.298, 295.983$, and if you desaturate by 10%, it is $57, 22.681, 292.791$.

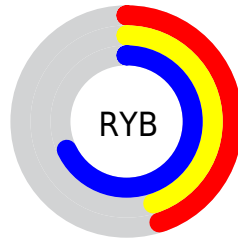
Distribution



Red (45%)

Green (45%)

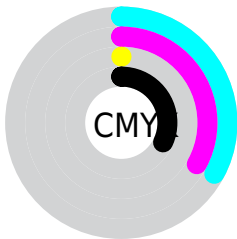
Blue (68%)



Red (45%)

Yellow (45%)

Blue (68%)

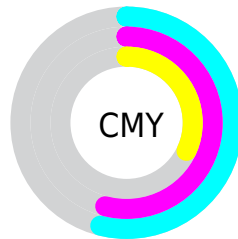


Cyan (33%)

Magenta (33%)

Yellow (0%)

Black (32%)



Cyan (54%)


Magenta (54%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 33.266, 294.267 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, 33.266, 294.267 by changing the saturation by 10% instead.


 51, 33.266,
294.267


 51, 33.266,
294.267


 100, 33.266,
294.267


 41, 33.266,
294.267


 71, 33.266,
294.267

 31, 33.266,
294.267

 81, 33.266,
294.267

 21, 33.266,
294.267

 91, 33.266,
294.267

 11, 33.266,
294.267

 1, 33.266, 294.267

 0, 33.266, 294.267

51, 33.266,
294.267

51, 33.266,
294.267

45, 44.298,
295.983

57, 22.681,
292.791

39, 55.747,
297.938

63, 12.532,
291.535

34, 67.442,
300.076

69, 2.787, 290.483

29, 78.904,
302.255

75, 6.584, 109.546

24, 89.108,
304.211

81, 15.609,
108.778

21, 96.489,
305.611

87, 24.313,
108.118

20, 100.108,
306.288

93, 32.717,
107.551

98, 40.843,
107.061

 98, 40.999,
107.048

Harmonies

Complementary

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



51, 33.266, 294.267



70, 30.705, 107.049

Rectangle

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



51, 33.266, 294.267



51, 33.266, 344.267



51, 33.266, 114.267



51, 33.266, 164.267

Sweetspot

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



51, 33.265, 294.267



82, 11.908, 291.225



67, 19.391, 197.819



42, 8.135, 291.376



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, 33.265, 294.267



60, 50.730, 295.579



54, 34.543, 310.662



33, 5.457, 291.130



17, 90.271, 306.288



1, 11.347, 290.181

Inverse Universe

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



57, 38.326, 326.196



68, 57.071, 326.583



67, 32.998, 127.553



34, 6.590, 324.925



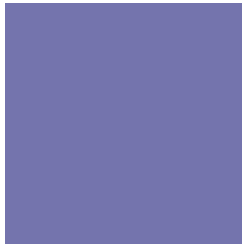
35, 77.955, 328.237



2, 13.855, 324.443

Previews

White Background



This preview shows how the CIELCh color 51, 33.266, 294.267 looks on a white background.

Color Contrast Check

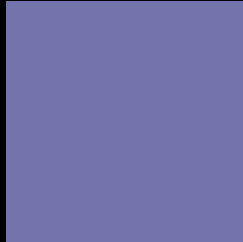
Large Text (above 18pt) WCAG AA ✓ Pass

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, 33.266, 294.267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

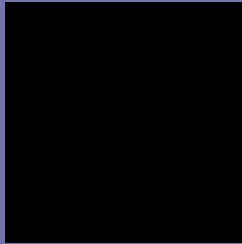
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 33.266, 294.267

Background



This preview shows how black text looks on a background with the CIELCh color 51, 33.266, 294.267.



This preview shows how white text looks on a background with the CIELCh color 51, 33.266, 294.267.

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

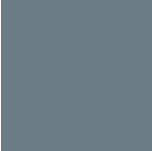
51, 33.266, 294.267

Protanopia

51, 33.394, 285.669

Deuteranopia

51, 30.560, 283.738



Tritanopia
51, 8.226, 244.267

Trichromacy



Original Color
51, 33.266, 294.267

Protanomaly
51, 33.270, 288.791

Deuteranomaly
51, 30.961, 287.418

Tritanomaly
51, 16.041, 279.303

Monochromacy



Original Color
51, 33.266, 294.267

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 11.653, 291.650

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 33.266, 294.267 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(116, 116, 173)` looks like.

```
.text, #text, p{  
    color:rgb(116, 116, 173)  
}
```

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(116, 116, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 116, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 33.266, 294.267 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(116, 116, 173) }
```

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

```
.border{ border-color:rgb(116, 116, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 116, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 116, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 116, 173);  
box-shadow:4px 4px 4px 4px rgb(116, 116,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 33.266, 294.267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 116, 173) }
```

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

```
.background{ background-color: rgb(116,  
116, 173) }
```

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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