

Converting Colors

CIELCh(50, 33.456, 292.718)

Have a look what the booklet for
CIELCh(50, 33.456, 292.718)
contains.

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Color

CIELCh(50, 33.367, 292.677)

Conversions

Conversions Part 1

Format	Color
Hex	6F72AB
RGB	111, 114, 171
RGB Percent	44%, 45%, 67%
CMY	0.5639, 0.5522, 0.3286
CMYK	0.35, 0.33, 0.00, 0.33
HSL	237°, 26%, 55%
HSV	237°, 35%, 67%
XYZ	19.9903, 18.4187, 41.1339
YIQ	119.6010, -20.0850, 17.0910

Conversions

Conversions Part 2

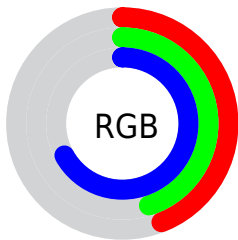
Format	Color
R_{YB}	111, 114, 171
Decimal	7303851
CIE _{Lab}	50.00, 12.86, -30.79
CIE _{LCh}	50, 33.367, 292.677
Yxy	18.4187, 0.2513, 0.2316
Android (android.graphics.Color)	4285493931 (0xFF6F72AB)
YUV	119.6010, 25.3397, -7.5431
Hunter-Lab	42.9170, 8.0388, -26.7849

Details

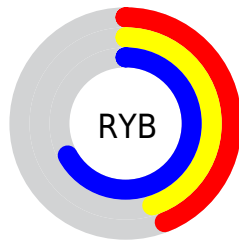
The CIELCh color **50, 33.367, 292.677** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **68, 30.876, 104.614**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 33.440, 292.322**, and **30, 33.260, 292.771** is the 20% darker color. If you saturate the color by 10%, you get **44, 43.772, 294.500**, and if you desaturate by 10%, it is **56, 23.373, 291.108**.

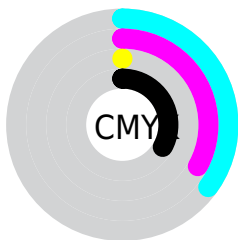
Distribution



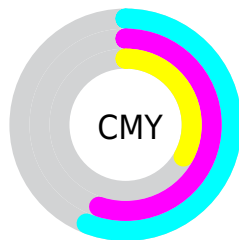
- Red (44%)
- Green (45%)
- Blue (67%)



- Red (44%)
- Yellow (45%)
- Blue (67%)



- Cyan (35%)
- Magenta (33%)
- Yellow (0%)
- Black (33%)





- Cyan (56%)
- Magenta (55%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 33.367, 292.677 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 50, 33.367, 292.677 by changing the saturation by 10% instead.


 50, 33.367,
292.677


 50, 33.367,
292.677


 100, 33.367,
292.677


 40, 33.367,
292.677


 70, 33.367,
292.677

 30, 33.367,
292.677

 80, 33.367,
292.677

 20, 33.367,
292.677

 90, 33.367,
292.677

 10, 33.367,
292.677

 0, 33.367, 292.677

 50, 33.367,
292.677

 50, 33.367,
292.677

44, 43.772,
294.500

56, 23.373,
291.108

39, 54.574,
296.577

61, 13.774,
289.769

33, 65.642,
298.859

67, 4.540, 288.638

29, 76.599,
301.216

73, 4.356, 107.630

78, 12.939,
106.809

24, 86.604,
303.404

84, 21.231,
106.095

22, 94.311,
305.104

90, 29.252,
105.479

21, 96.942,
305.631

95, 37.019,
104.943

98, 41.945,
106.975

Harmonies

Complementary

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



50, 33.367, 292.677



68, 30.876, 104.614

Rectangle

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



50, 33.367, 292.677



50, 33.367, 342.677



50, 33.367, 112.677



50, 33.367, 162.677

Sweetspot

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



50, 33.366, 292.677



81, 12.342, 289.309



66, 20.577, 193.021



42, 8.380, 289.462



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



50, 33.366, 292.677



59, 50.148, 294.056



52, 36.271, 309.139



34, 5.181, 289.095



17, 87.801, 305.521



1, 10.886, 288.508

Inverse Universe

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



53, 25.567, 18.738



64, 38.690, 19.974



67, 34.336, 125.634



34, 3.821, 15.872



31, 68.184, 37.424



2, 7.821, 16.023

Previews

White Background



This preview shows how the CIELCh color 50, 33.367, 292.677 looks on a white 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

Black Background



This preview shows how the CIE LCh color 50, 33.367, 292.677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

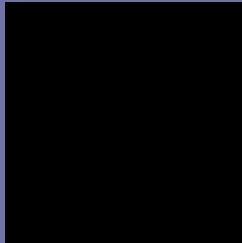
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 33.367, 292.677

Background



This preview shows how black text looks on a background with the CIELCh color 50, 33.367, 292.677.



This preview shows how white text looks on a background with the CIELCh color 50, 33.367, 292.677.

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

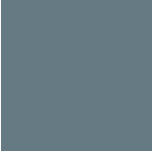
50, 33.367, 292.677

Protanopia

50, 32.956, 285.003

Deuteranopia

50, 30.733, 282.733



Tritanopia
50, 9.299, 237.987

Trichromacy



Original Color
50, 33.367, 292.677

Protanomaly
50, 32.841, 287.625

Deuteranomaly
50, 31.141, 285.811

Tritanomaly
50, 16.404, 274.617

Monochromacy



Original Color
50, 33.367, 292.677

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 12.289, 290.017

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 33.367, 292.677 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(111, 114, 171)` looks like.

```
.text, #text, p{  
    color:rgb(111, 114, 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(111, 114, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 114, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 33.367, 292.677 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(111, 114, 171) }
```

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

```
.border{ border-color:rgb(111, 114, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 114, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 114, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 114, 171);  
box-shadow:4px 4px 4px 4px rgb(111, 114,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 33.367, 292.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 114, 171) }
```

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

```
.background{ background-color: rgb(111,  
114, 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](#).

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