

Converting Colors

CIELCh(50, 51.053, 293.838)

Have a look what the booklet for
CIELCh(50, 51.053, 293.838)
contains.

CIELCh(50, 51.356, 293.890)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 51.356, 293.890)

Conversions

Conversions Part 1

Format	Color
Hex	676FC7
RGB	103, 111, 199
RGB Percent	40%, 44%, 78%
CMY	0.5955, 0.5642, 0.2190
CMYK	0.48, 0.44, 0.00, 0.22
HSL	235°, 46%, 59%
HSV	235°, 48%, 78%
XYZ	21.6335, 18.4187, 56.5348
YIQ	118.6400, -33.0160, 25.6720

Conversions

Conversions Part 2

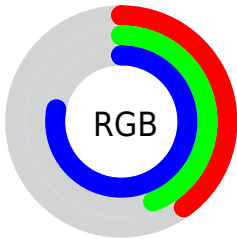
Format	Color
R_{YB}	103, 110, 199
Decimal	6778823
CIE _{Lab}	50.00, 20.80, -46.96
CIE _{LCh}	50, 51.356, 293.890
Yxy	18.4187, 0.2240, 0.1907
Android (android.graphics.Color)	4284968903 (0xFF676FC7)
YUV	118.6400, 39.6175, -13.7163
Hunter-Lab	42.9170, 14.8735, -48.0613

Details

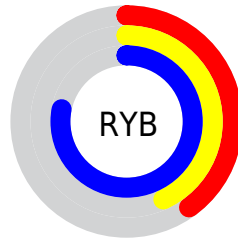
The CIELCh color `50, 51.356, 293.890` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `76, 46.006, 101.585`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `70, 50.949, 294.030`, and `30, 50.849, 293.604` is the 20% darker color. If you saturate the color by 10%, you get `44, 63.240, 296.138`, and if you desaturate by 10%, it is `56, 39.892, 291.910`.

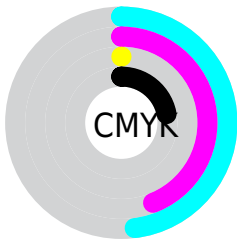
Distribution



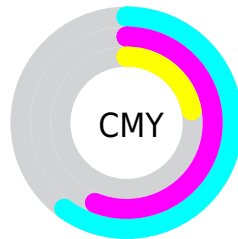
- Red (40%)
- Green (44%)
- Blue (78%)



- Red (40%)
- Yellow (43%)
- Blue (78%)



- Cyan (48%)
- Magenta (44%)
- Yellow (0%)
- Black (22%)





- Cyan (60%)
- Magenta (56%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 51.356, 293.890 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, 51.356, 293.890 by changing the saturation by 10% instead.


 50, 51.356,
293.890


 50, 51.356,
293.890


 100, 51.356,
293.890


 40, 51.356,
293.890


 70, 51.356,
293.890

 30, 51.356,
293.890


 80, 51.356,
293.890


 20, 51.356,
293.890

 90, 51.356,
293.890

 10, 51.356,
293.890

 0, 51.356, 293.890

 50, 51.356,
293.890

 50, 51.356,
293.890

44, 63.240,
296.138

56, 39.892,
291.910

38, 75.385,
298.588

63, 28.877,
290.200

33, 87.323,
301.086

69, 18.289,
288.741

29, 98.066,
303.369

75, 8.098, 287.502

81, 1.729, 106.372

26, 106.150,
305.098

88, 11.218,
105.512

25, 107.235,
305.311

94, 20.392,
104.735

99, 28.162,
108.038

Harmonies

Complementary

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



50, 51.356, 293.890



76, 46.006, 101.585

Rectangle

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



50, 51.356, 293.890



50, 51.356, 343.890



50, 51.356, 113.890



50, 51.356, 163.890

Sweetspot

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



50, 51.355, 293.891



89, 17.066, 288.220



75, 30.659, 188.937



46, 11.829, 288.501



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 51.355, 293.891



56, 77.116, 296.290



52, 57.007, 308.935



39, 5.602, 287.637



20, 91.821, 305.102



2, 20.251, 289.561

Inverse Universe

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



55, 41.018, 18.637



64, 61.413, 21.207



76, 52.317, 123.758



39, 4.297, 13.206



34, 71.368, 36.264



3, 15.946, 15.100

Previews

White Background



This preview shows how the CIELCh color 50, 51.356, 293.890 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 50, 51.356, 293.890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

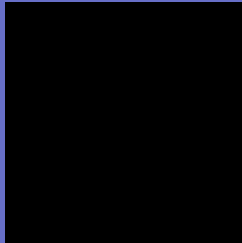
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 51.356, 293.890

Background



This preview shows how black text looks on a background with the CIELCh color 50, 51.356, 293.890.



This preview shows how white text looks on a background with the CIELCh color 50, 51.356, 293.890.

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, 51.356, 293.890

Protanopia

50, 51.616, 286.240

Deuteranopia

50, 46.515, 279.679



Tritanopia
50, 15.225, 220.863

Trichromacy



Original Color
50, 51.356, 293.890

Protanomaly
50, 51.480, 288.796

Deuteranomaly
50, 48.283, 284.882

Tritanomaly
50, 23.739, 269.662

Monochromacy



Original Color
50, 51.356, 293.890

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 18.771, 289.313

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 51.356, 293.890 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(103, 111, 199)` looks like.

```
.text, #text, p{  
    color:rgb(103, 111, 199)  
}
```

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(103, 111, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 111, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 51.356, 293.890 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(103, 111, 199) }
```

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

```
.border{ border-color:rgb(103, 111, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 111, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 111, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 111, 199);  
box-shadow:4px 4px 4px 4px rgb(103, 111,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 51.356, 293.890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 111, 199) }
```

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

```
.background{ background-color: rgb(103,  
111, 199) }
```

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