

Converting Colors

CIELCh(51, 53.384, 296.462)

Have a look what the booklet for
CIELCh(51, 53.384, 296.462)
contains.

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Color

CIELCh(51, 52.921, 296.429)

Conversions

Conversions Part 1

Format	Color
Hex	7070CB
RGB	112, 112, 203
RGB Percent	44%, 44%, 80%
CMY	0.5617, 0.5616, 0.2049
CMYK	0.45, 0.45, 0.00, 0.20
HSL	240°, 47%, 62%
HSV	240°, 45%, 80%
XYZ	23.1709, 19.2686, 58.8426
YIQ	122.3740, -29.2110, 28.3010

Conversions

Conversions Part 2

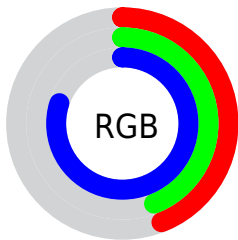
Format	Color
RYB	112, 112, 203
Decimal	7368907
CIELab	51.00, 23.55, -47.39
CIElCh	51, 52.921, 296.429
Yxy	19.2686, 0.2288, 0.1902
Android (android.graphics.Color)	4285558987 (0xFF7070CB)
YUV	122.3740, 39.7486, -9.0980
Hunter-Lab	43.8960, 17.4048, -48.7510

Details

The CIELCh color **51, 52.921, 296.429** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **80, 46.949, 105.895**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 49.782, 296.207**, and **31, 53.040, 296.602** is the 20% darker color. If you saturate the color by 10%, you get **44, 66.033, 298.461**, and if you desaturate by 10%, it is **58, 40.258, 294.634**.

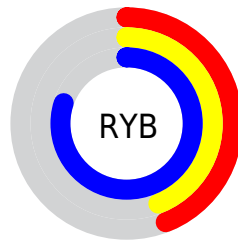
Distribution



Red (44%)

Green (44%)

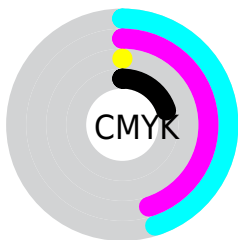
Blue (80%)



Red (44%)

Yellow (44%)

Blue (80%)

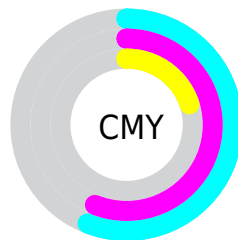


Cyan (45%)

Magenta (45%)

Yellow (0%)

Black (20%)



Cyan (56%)


Magenta (56%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 52.921, 296.429 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, 52.921, 296.429 by changing the saturation by 10% instead.


 51, 52.921,
296.429


 51, 52.921,
296.429


 100, 52.921,
296.429


 41, 52.921,
296.429


 71, 52.921,
296.429

 31, 52.921,
296.429

 81, 52.921,
296.429

 21, 52.921,
296.429

 91, 52.921,
296.429

 11, 52.921,
296.429

 1, 52.921, 296.429

 0, 52.921, 296.429

51, 52.921,
296.429

51, 52.921,
296.429

44, 66.033,
298.461

58, 40.258,
294.634

38, 79.332,
300.654

65, 28.110,
293.088

33, 92.120,
302.828

71, 16.468,
291.771

28, 103.007,
304.682

78, 5.298, 290.662

85, 5.435, 109.691

26, 110.130,
305.879

92, 15.765,
108.893

25, 112.575,
306.285

98, 25.721,
108.208

99, 26.359,
108.177

Harmonies

Complementary

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



51, 52.921, 296.429



80, 46.949, 105.895

Rectangle

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



51, 52.921, 296.429



51, 52.921, 346.429



51, 52.921, 116.429



51, 52.921, 166.429

Sweetspot

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



51, 52.920, 296.430



89, 17.273, 291.568



76, 28.564, 195.670



46, 12.141, 291.836



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 52.920, 296.430



56, 78.243, 298.428



55, 54.020, 310.806



39, 6.242, 291.139



19, 96.918, 306.284



1, 23.530, 292.440

Inverse Universe

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



57, 39.199, 24.100



66, 58.397, 26.130



77, 50.459, 126.380



40, 4.369, 19.906



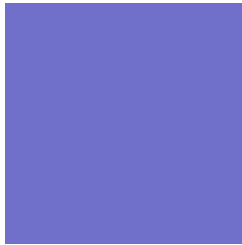
34, 75.544, 39.813



4, 17.910, 19.393

Previews

White Background



This preview shows how the CIELCh color 51, 52.921, 296.429 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, 52.921, 296.429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

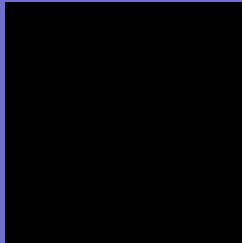
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 52.921, 296.429

Background



This preview shows how black text looks on a background with the CIELCh color 51, 52.921, 296.429.



This preview shows how white text looks on a background with the CIELCh color 51, 52.921, 296.429.

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, 52.921, 296.429

Protanopia

51, 53.174, 286.483

Deuteranopia

51, 46.362, 279.368



Tritanopia
51, 12.946, 225.278

Trichromacy



Original Color
51, 52.921, 296.429

Protanomaly
51, 52.976, 289.661

Deuteranomaly
51, 48.617, 285.725

Tritanomaly
51, 24.065, 276.375

Monochromacy



Original Color
51, 52.921, 296.429

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 19.285, 292.611

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 52.921, 296.429 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(112, 112, 203)` looks like.

```
.text, #text, p{  
    color:rgb(112, 112, 203)  
}
```

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(112, 112, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 112, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 52.921, 296.429 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(112, 112, 203) }
```

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

```
.border{ border-color:rgb(112, 112, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 112, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 112, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 112, 203);  
box-shadow:4px 4px 4px 4px rgb(112, 112,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 52.921, 296.429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 112, 203) }
```

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

```
.background{ background-color: rgb(112,  
112, 203) }
```

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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