

Converting Colors

CIELCh(50, 52.542, 296.907)

Have a look what the booklet for
CIELCh(50, 52.542, 296.907)
contains.

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Color

CIELCh(50, 52.569, 296.793)

Conversions

Conversions Part 1

Format	Color
Hex	6E6DC7
RGB	110, 109, 199
RGB Percent	43%, 43%, 78%
CMY	0.5681, 0.5720, 0.2190
CMYK	0.45, 0.45, 0.00, 0.22
HSL	241°, 45%, 60%
HSV	241°, 45%, 78%
XYZ	22.2556, 18.4187, 56.5023
YIQ	119.5590, -28.2940, 28.2020

Conversions

Conversions Part 2

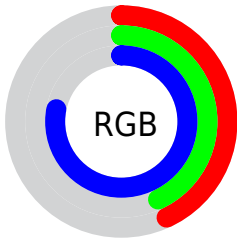
Format	Color
R_{YB}	110, 109, 199
Decimal	7237063
CIE _{Lab}	50.00, 23.70, -46.93
CIE _{LCh}	50, 52.569, 296.793
Yxy	18.4187, 0.2290, 0.1895
Android (android.graphics.Color)	4285427143 (0xFF6E6DC7)
YUV	119.5590, 39.1644, -8.3832
Hunter-Lab	42.9170, 17.4605, -48.0164

Details

The CIELCh color **50, 52.569, 296.793** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **78, 46.594, 106.405**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 52.157, 297.039**, and **30, 52.045, 296.570** is the 20% darker color. If you saturate the color by 10%, you get **44, 65.491, 298.775**, and if you desaturate by 10%, it is **57, 40.078, 295.038**.

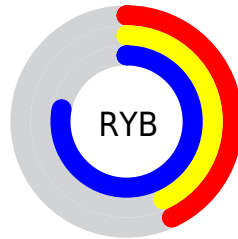
Distribution



Red (43%)

Green (43%)

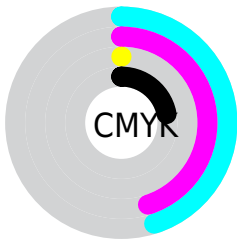
Blue (78%)



Red (43%)

Yellow (43%)

Blue (78%)

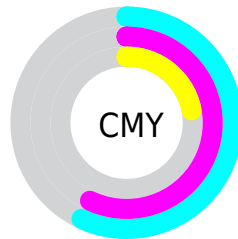


Cyan (45%)

Magenta (45%)

Yellow (0%)

Black (22%)



Cyan (57%)


Magenta (57%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 52.569, 296.793 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, 52.569, 296.793 by changing the saturation by 10% instead.


 50, 52.569,
296.793


 50, 52.569,
296.793


 100, 52.569,
296.793


 40, 52.569,
296.793


 70, 52.569,
296.793

 30, 52.569,
296.793


 80, 52.569,
296.793


 20, 52.569,
296.793

 90, 52.569,
296.793

 10, 52.569,
296.793

 0, 52.569, 296.793

 50, 52.569,
296.793

 50, 52.569,
296.793

44, 65.491,
298.775

57, 40.078,
295.038

37, 78.576,
300.907

63, 28.090,
293.521

32, 91.128,
303.012

70, 16.598,
292.229

28, 101.780,
304.795

77, 5.572, 291.137

83, 5.023, 110.181

25, 108.719,
305.930

90, 15.220,
109.396

24, 111.029,
306.317

97, 25.046,
108.720

99, 28.161,
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, 52.569, 296.793



78, 46.594, 106.405

Rectangle

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



50, 52.569, 296.793



50, 52.569, 346.793



50, 52.569, 116.793



50, 52.569, 166.793

Sweetspot

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



50, 52.568, 296.794



89, 18.646, 292.111



75, 28.160, 197.333



45, 12.930, 292.372



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, 52.568, 296.794



56, 78.245, 298.690



54, 53.717, 311.345



38, 6.115, 291.569



19, 95.767, 306.326



1, 21.514, 292.044

Inverse Universe

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



59, 57.667, 327.137



70, 82.382, 327.567



75, 50.293, 126.967



39, 7.326, 325.234



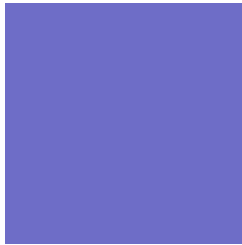
39, 82.040, 328.680



4, 26.487, 327.387

Previews

White Background



This preview shows how the CIELCh color 50, 52.569, 296.793 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, 52.569, 296.793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

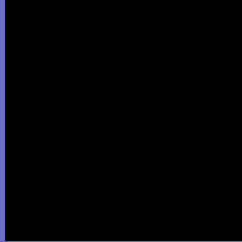
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 52.569, 296.793

Background



This preview shows how black text looks on a background with the CIELCh color 50, 52.569, 296.793.



This preview shows how white text looks on a background with the CIELCh color 50, 52.569, 296.793.

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, 52.569, 296.793

Protanopia

50, 52.755, 286.439

Deuteranopia

50, 46.474, 279.901



Tritanopia
50, 12.395, 226.744

Trichromacy



Original Color
50, 52.569, 296.793

Protanomaly
50, 52.556, 289.633

Deuteranomaly
50, 48.777, 286.211

Tritanomaly
50, 23.503, 276.660

Monochromacy



Original Color
50, 52.569, 296.793

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 19.343, 292.647

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 52.569, 296.793 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(110, 109, 199)` looks like.

```
.text, #text, p{  
    color:rgb(110, 109, 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(110, 109, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 109, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 52.569, 296.793 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(110, 109, 199) }
```

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

```
.border{ border-color:rgb(110, 109, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 109, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 109, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 109, 199);  
box-shadow:4px 4px 4px 4px rgb(110, 109,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 52.569, 296.793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 109, 199) }
```

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

```
.background{ background-color: rgb(110,  
109, 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](#).

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