

Converting Colors

CIELCh(50, 51.594, 294.990)

Have a look what the booklet for
CIELCh(50, 51.594, 294.990)
contains.

CIELCh(50, 51.957, 295.198)	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, 51.957, 295.198)

Conversions

Conversions Part 1

Format	Color
Hex	6A6EC7
RGB	106, 110, 199
RGB Percent	42%, 43%, 78%
CMY	0.5833, 0.5677, 0.2186
CMYK	0.47, 0.45, 0.00, 0.22
HSL	237°, 45%, 60%
HSV	237°, 47%, 78%
XYZ	21.9159, 18.4187, 56.5948
YIQ	118.9500, -30.9530, 26.8310

Conversions

Conversions Part 2

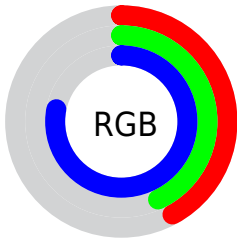
Format	Color
R_{YB}	106, 110, 199
Decimal	6975175
CIE _{Lab}	50.00, 22.12, -47.01
CIE _{LCh}	50, 51.957, 295.198
Yxy	18.4187, 0.2261, 0.1900
Android (android.graphics.Color)	4285165255 (0xFF6A6EC7)
YUV	118.9500, 39.4647, -11.3571
Hunter-Lab	42.9170, 16.0478, -48.1442

Details

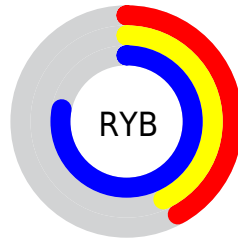
The CIELCh color $50, 51.957, 295.198$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $78, 46.267, 103.774$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 51.539, 295.384$, and $30, 51.454, 294.956$ is the 20% darker color. If you saturate the color by 10%, you get $44, 64.363, 297.337$, and if you desaturate by 10%, it is $56, 39.984, 293.311$.

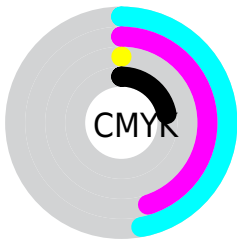
Distribution



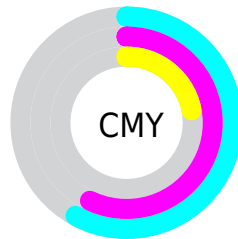
- Red (42%)
- Green (43%)
- Blue (78%)



- Red (42%)
- Yellow (43%)
- Blue (78%)



- Cyan (47%)
- Magenta (45%)
- Yellow (0%)
- Black (22%)





- Cyan (58%)
- Magenta (57%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 51.957, 295.198 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, 51.957, 295.198 by changing the saturation by 10% instead.


 50, 51.957,
295.198


 50, 51.957,
295.198


 100, 51.957,
295.198


 40, 51.957,
295.198


 70, 51.957,
295.198

 30, 51.957,
295.198


 80, 51.957,
295.198


 20, 51.957,
295.198

 90, 51.957,
295.198

 10, 51.957,
295.198

 0, 51.957, 295.198

 50, 51.957,
295.198

 50, 51.957,
295.198

44, 64.363,
297.337

56, 39.984,
293.311

38, 76.995,
299.658

63, 28.489,
291.683

32, 89.280,
301.994

70, 17.459,
290.294

28, 100.044,
304.064

76, 6.859, 289.120

25, 107.624,
305.534

82, 3.344, 108.079

25, 109.263,
305.820

89, 13.178,
107.240

95, 22.671,
106.509

99, 28.100,
108.043

Harmonies

Complementary

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



50, 51.957, 295.198



78, 46.267, 103.774

Rectangle

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



50, 51.957, 295.198



50, 51.957, 345.198



50, 51.957, 115.198



50, 51.957, 165.198

Sweetspot

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



50, 51.956, 295.199



89, 17.825, 289.986



75, 29.430, 192.276



46, 12.358, 290.259



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, 51.956, 295.199



56, 77.717, 297.370



53, 55.295, 309.866



38, 5.848, 289.418



19, 93.777, 305.691



1, 20.860, 290.656

Inverse Universe

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



56, 39.932, 21.329



65, 59.880, 23.616



76, 51.198, 125.082



39, 4.281, 16.465



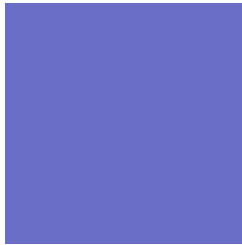
34, 72.942, 38.029



3, 15.905, 17.190

Previews

White Background



This preview shows how the CIELCh color 50, 51.957, 295.198 looks on a white background.

Color Contrast Check

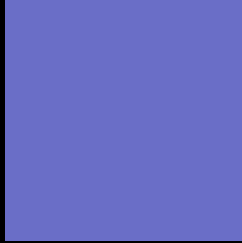
Large Text (above 18pt) WCAG AA ✓ Pass

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, 51.957, 295.198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

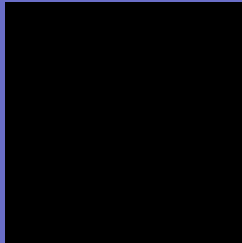
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 51.957, 295.198

Background



This preview shows how black text looks on a background with the CIELCh color 50, 51.957, 295.198.



This preview shows how white text looks on a background with the CIELCh color 50, 51.957, 295.198.

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, 51.957, 295.198

Protanopia
50, 52.171, 286.452

Deuteranopia
50, 46.515, 279.679



Tritanopia
50, 14.102, 222.885

Trichromacy



Original Color
50, 51.957, 295.198

Protanomaly
50, 51.994, 289.471

Deuteranomaly
50, 48.251, 285.136

Tritanomaly
50, 23.351, 272.405

Monochromacy



Original Color
50, 51.957, 295.198

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 18.761, 290.395

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 51.957, 295.198 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(106, 110, 199)` looks like.

```
.text, #text, p{  
    color:rgb(106, 110, 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(106, 110, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 110, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 51.957, 295.198 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(106, 110, 199) }
```

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

```
.border{ border-color:rgb(106, 110, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 110, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 110, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 110, 199); box-shadow:4px 4px 4px 4px rgb(106, 110, 199) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 51.957, 295.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 110, 199) }
```

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

```
.background{ background-color: rgb(106,  
110, 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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