

Converting Colors

CIELCh(51, 48.258, 290.306)

Have a look what the booklet for
CIELCh(51, 48.258, 290.306)
contains.

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Color

CIELCh(51, 48.322, 290.354)

Conversions

Conversions Part 1

Format	Color
Hex	6374C7
RGB	99, 116, 199
RGB Percent	39%, 45%, 78%
CMY	0.6117, 0.5451, 0.2196
CMYK	0.50, 0.42, 0.00, 0.22
HSL	230°, 47%, 58%
HSV	230°, 50%, 78%
XYZ	21.7015, 19.2686, 56.6118
YIQ	120.3790, -36.7750, 22.2090

Conversions

Conversions Part 2

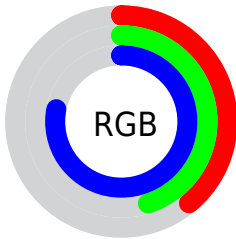
Format	Color
R_{YB}	99, 114, 199
Decimal	6517959
CIE _{Lab}	51.00, 16.81, -45.30
CIE _{LCh}	51, 48.322, 290.354
Yxy	19.2686, 0.2224, 0.1975
Android (android.graphics.Color)	4284708039 (0xFF6374C7)
YUV	120.3790, 38.7602, -18.7494
Hunter-Lab	43.8960, 11.4296, -45.7379

Details

The CIELCh color `51, 48.322, 290.354` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `74, 44.370, 96.367`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `71, 47.515, 290.086`, and `31, 48.239, 290.449` is the 20% darker color. If you saturate the color by 10%, you get `45, 58.996, 292.822`, and if you desaturate by 10%, it is `57, 38.023, 288.189`.

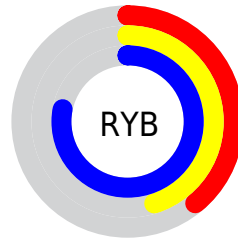
Distribution



Red (39%)

Green (45%)

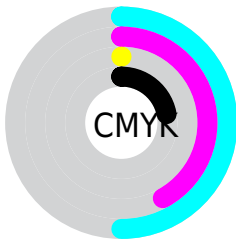
Blue (78%)



Red (39%)

Yellow (45%)

Blue (78%)

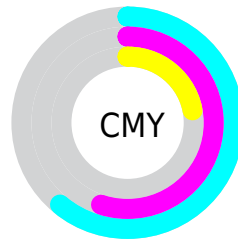


Cyan (50%)

Magenta (42%)

Yellow (0%)

Black (22%)



Cyan (61%)


Magenta (55%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 48.322, 290.354 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, 48.322, 290.354 by changing the saturation by 10% instead.


 51, 48.322,
290.354


 51, 48.322,
290.354


 100, 48.322,
290.354


 41, 48.322,
290.354


 71, 48.322,
290.354

 31, 48.322,
290.354

 81, 48.322,
290.354

 21, 48.322,
290.354

 91, 48.322,
290.354

 11, 48.322,
290.354

 1, 48.322, 290.354

 0, 48.322, 290.354

■ 51, 48.322,
290.354

■ 51, 48.322,
290.354

■ 45, 58.996,
292.822

■ 57, 38.023,
288.189

■ 40, 69.986,
295.546

■ 63, 28.093,
286.321

■ 35, 81.053,
298.404

■ 68, 18.502,
284.723

■ 31, 91.616,
301.175

■ 74, 9.222, 283.362

■ 27, 100.515,
303.468

■ 80, 0.229, 282.787

■ 86, 8.497, 101.150

■ 92, 16.972,
100.287

■ 97, 25.053,
102.303

■ 99, 28.230,
108.033

Harmonies

Complementary

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



51, 48.322, 290.354



74, 44.370, 96.367

Rectangle

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



51, 48.322, 290.354



51, 48.322, 340.354



51, 48.322, 110.354



51, 48.322, 160.354

Sweetspot

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



51, 48.321, 290.355



89, 16.631, 284.010



74, 33.756, 179.669



46, 11.384, 284.306



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, 48.321, 290.355



58, 71.933, 292.987



49, 59.198, 306.092



39, 5.094, 283.254



22, 85.773, 303.131



2, 18.972, 286.973

Inverse Universe

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



54, 42.471, 12.508



64, 62.380, 15.228



76, 53.138, 119.683



39, 4.380, 6.352



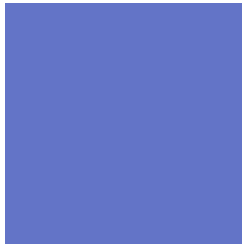
34, 67.540, 31.082



3, 16.105, 10.665

Previews

White Background



This preview shows how the CIELCh color 51, 48.322, 290.354 looks on a white background.

Color Contrast Check

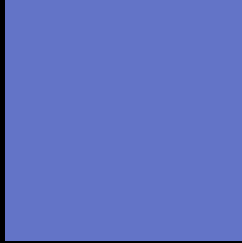
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.322, 290.354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

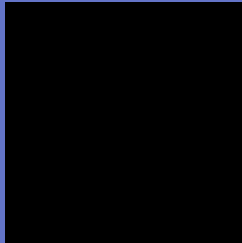
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 48.322, 290.354

Background



This preview shows how black text looks on a background with the CIELCh color 51, 48.322, 290.354.

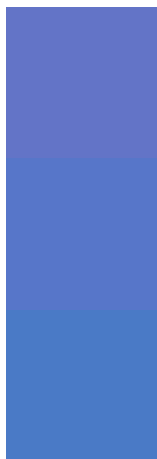


This preview shows how white text looks on a background with the CIELCh color 51, 48.322, 290.354.

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, 48.322, 290.354

Protanopia

51, 48.555, 286.251

Deuteranopia

51, 45.120, 279.661



Tritanopia
51, 17.385, 217.621

Trichromacy



Original Color
51, 48.322, 290.354

Protanomaly
51, 48.474, 287.681

Deuteranomaly
51, 45.869, 283.291

Tritanomaly
51, 24.029, 263.582

Monochromacy



Original Color
51, 48.322, 290.354

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 17.638, 284.282

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 48.322, 290.354 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(99, 116, 199)` looks like.

```
.text, #text, p{  
    color:rgb(99, 116, 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(99, 116, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 116, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 48.322, 290.354 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(99, 116, 199) }
```

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

```
.border{ border-color:rgb(99, 116, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 116, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 116, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 116, 199);  
box-shadow:4px 4px 4px 4px rgb(99, 116,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 48.322, 290.354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 116, 199) }
```

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

```
.background{ background-color: rgb(99, 116,  
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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