

Converting Colors

CIELCh(50, 50.848, 290.268)

Have a look what the booklet for
CIELCh(50, 50.848, 290.268)
contains.

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Color

CIELCh(50, 50.848, 290.268)

Conversions

Conversions Part 1

Format	Color
Hex	5D71C8
RGB	93, 113, 200
RGB Percent	36%, 44%, 78%
CMY	0.6338, 0.5556, 0.2142
CMYK	0.53, 0.43, 0.00, 0.21
HSL	229°, 49%, 58%
HSV	229°, 53%, 79%
XYZ	20.9637, 18.4187, 57.3230
YIQ	116.9380, -39.8470, 22.8170

Conversions

Conversions Part 2

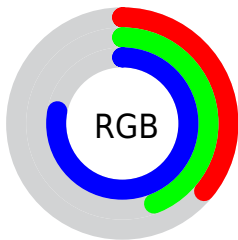
Format	Color
R _{YB}	93, 110, 200
Decimal	6123976
CIE Lab	50.00, 17.61, -47.70
CIE LCh	50, 50.848, 290.268
Yxy	18.4187, 0.2168, 0.1905
Android (android.graphics.Color)	4284314056 (0xFF5D71C8)
YUV	116.9380, 40.9496, -20.9936
Hunter-Lab	42.9170, 12.0875, -49.1502

Details

The CIELCh color **50, 50.848, 290.268** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **74, 46.629, 94.934**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 49.308, 289.862**, and **30, 50.384, 290.061** is the 20% darker color. If you saturate the color by 10%, you get **44, 61.444, 292.862**, and if you desaturate by 10%, it is **56, 40.613, 287.978**.

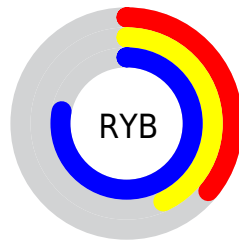
Distribution



Red (36%)

Green (44%)

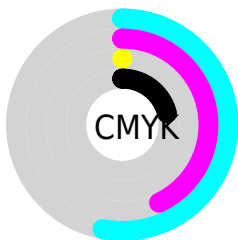
Blue (78%)



Red (36%)

Yellow (43%)

Blue (78%)

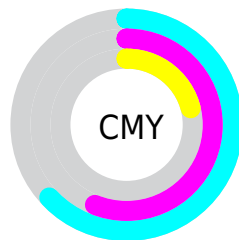


Cyan (53%)

Magenta (43%)

Yellow (0%)

Black (21%)



Cyan (63%)


Magenta (56%)


Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 50.848, 290.268 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, 50.848, 290.268 by changing the saturation by 10% instead.

 50, 50.848,
290.268


 50, 50.848,
290.268


 100, 50.848,
290.268

 40, 50.848,
290.268


 70, 50.848,
290.268

 30, 50.848,
290.268


 80, 50.848,
290.268

 20, 50.848,
290.268

 90, 50.848,
290.268

 10, 50.848,
290.268

 0, 50.848, 290.268

 50, 50.848,
290.268

 50, 50.848,
290.268

44, 61.444,
292.862

56, 40.613,
287.978

39, 72.323,
295.699

61, 30.738,
285.995

34, 83.208,
298.634

67, 21.195,
284.295

30, 93.470,
301.428

73, 11.954,
282.845

28, 99.460,
303.004

79, 2.992, 281.636

85, 5.710, 100.489

90, 14.169, 99.579

96, 22.396, 98.780

99, 27.547,
108.086

Harmonies

Complementary

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



50, 50.848, 290.268



74, 46.629, 94.934

Rectangle

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



50, 50.848, 290.268



50, 50.848, 340.268



50, 50.848, 110.268



50, 50.848, 160.268

Sweetspot

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



50, 50.847, 290.269



89, 17.437, 283.232



74, 36.066, 177.885



46, 11.809, 283.529



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, 50.847, 290.269



56, 75.635, 293.279



48, 63.441, 305.899



39, 5.002, 282.326



22, 84.356, 302.634



2, 18.734, 286.443

Inverse Universe

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



53, 45.476, 11.990



62, 66.282, 15.186



76, 56.293, 118.850



39, 4.403, 5.087



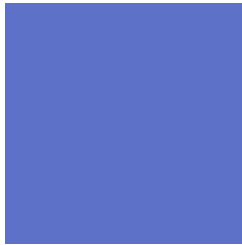
34, 66.814, 29.903



3, 16.146, 9.836

Previews

White Background



This preview shows how the CIELCh color 50, 50.848, 290.268 looks on a white background.

Color Contrast Check

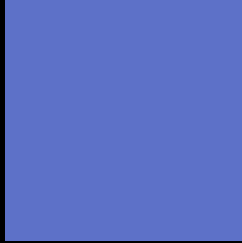
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 50, 50.848, 290.268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

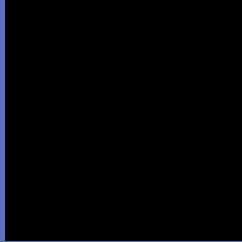
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 50.848, 290.268

Background



This preview shows how black text looks on a background with the CIELCh color 50, 50.848, 290.268.



This preview shows how white text looks on a background with the CIELCh color 50, 50.848, 290.268.

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, 50.848, 290.268

Protanopia

50, 51.030, 286.258

Deuteranopia

50, 47.745, 279.491



Tritanopia
50, 19.014, 217.676

Trichromacy



Original Color
50, 50.848, 290.268

Protanomaly
50, 50.928, 287.789

Deuteranomaly
50, 48.461, 283.102

Tritanomaly
50, 25.620, 262.621

Monochromacy



Original Color
50, 50.848, 290.268

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 18.335, 283.635

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 50.848, 290.268 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(93, 113, 200)` looks like.

```
.text, #text, p{  
    color:rgb(93, 113, 200)  
}
```

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(93, 113, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 113, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 50.848, 290.268 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(93, 113, 200) }
```

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

```
.border{ border-color:rgb(93, 113, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 113, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 113, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 113, 200);  
box-shadow:4px 4px 4px 4px rgb(93, 113,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 50.848, 290.268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 113, 200) }
```

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

```
.background{ background-color: rgb(93, 113,  
200) }
```

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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