

Converting Colors

CIELCh(50, 73.031, 306.298)

Have a look what the booklet for
CIELCh(50, 73.031, 306.298)
contains.

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Color

CIELCh(50, 73.085, 306.357)

Conversions

Conversions Part 1

Format	Color
Hex	855FDC
RGB	133, 95, 220
RGB Percent	52%, 37%, 86%
CMY	0.4773, 0.6265, 0.1362
CMYK	0.39, 0.57, 0.00, 0.14
HSL	258°, 64%, 62%
HSV	258°, 57%, 86%
XYZ	26.7849, 18.4187, 70.0454
YIQ	120.6120, -17.4770, 46.9310

Conversions

Conversions Part 2

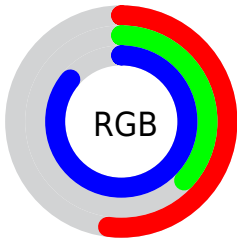
Format	Color
R_{YB}	133, 95, 220
Decimal	8740828
CIE _{Lab}	50.00, 43.33, -58.86
CIE _{LCh}	50, 73.085, 306.357
Yxy	18.4187, 0.2324, 0.1598
Android (android.graphics.Color)	4286930908 (0xFF855FDC)
YUV	120.6120, 48.9983, 10.8643
Hunter-Lab	42.9170, 36.2988, -66.7262

Details

The CIELCh color **50, 73.085, 306.357** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **83, 64.220, 118.885**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 60.828, 308.006**, and **30, 73.274, 306.445** is the 20% darker color. If you saturate the color by 10%, you get **44, 86.277, 307.245**, and if you desaturate by 10%, it is **56, 59.568, 305.437**.

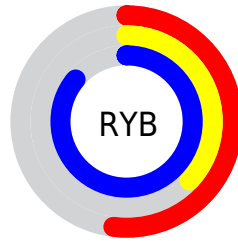
Distribution



Red (52%)

Green (37%)

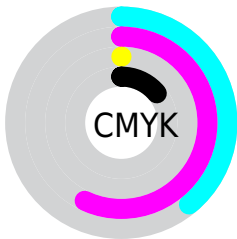
Blue (86%)



Red (52%)

Yellow (37%)

Blue (86%)

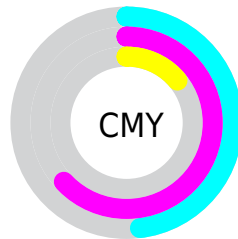


Cyan (39%)

Magenta (57%)

Yellow (0%)

Black (14%)



Cyan (48%)


Magenta (63%)


Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 73.085, 306.357 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, 73.085, 306.357 by changing the saturation by 10% instead.


 50, 73.085,
306.357


 50, 73.085,
306.357


 100, 73.085,
306.357


 40, 73.085,
306.357


 70, 73.085,
306.357

 30, 73.085,
306.357


 80, 73.085,
306.357


 20, 73.085,
306.357

 90, 73.085,
306.357

 10, 73.085,
306.357

 0, 73.085, 306.357

 50, 73.085,
306.357

 50, 73.085,
306.357

44, 86.277,
307.245

56, 59.568,
305.437

39, 98.387,
307.981

63, 46.152,
304.550

34, 108.268,
308.400

70, 33.045,
303.733

31, 114.707,
308.332

77, 20.340,
302.998

30, 116.341,
308.277

83, 8.066, 302.345

90, 3.778, 121.798

97, 15.205,
121.294

99, 17.560,
108.850

Harmonies

Complementary

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



50, 73.085, 306.357



83, 64.220, 118.885

Rectangle

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



50, 73.085, 306.357



50, 73.085, 356.357



50, 73.085, 126.357



50, 73.085, 176.357

Sweetspot

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



50, 73.084, 306.357



87, 23.244, 303.024



70, 31.087, 239.691



45, 15.603, 303.167



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, 73.084, 306.357



50, 98.913, 307.392



57, 75.007, 321.130



42, 6.777, 302.512



23, 97.127, 308.424



3, 30.200, 302.536

Inverse Universe

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



59, 62.872, 339.069



63, 80.901, 340.384



80, 73.543, 135.434



43, 6.465, 335.070



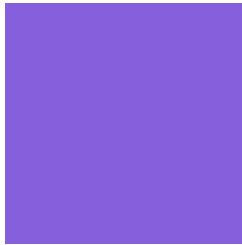
38, 69.009, 345.091



6, 27.948, 341.491

Previews

White Background



This preview shows how the CIELCh color 50, 73.085, 306.357 looks on a white background.

Color Contrast Check

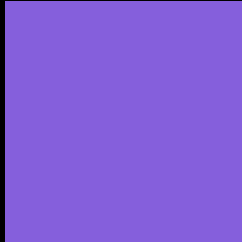
Large Text (above 18pt) WCAG AA ✓ Pass

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, 73.085, 306.357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

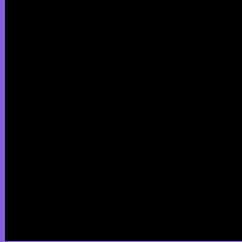
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 73.085, 306.357

Background



This preview shows how black text looks on a background with the CIELCh color 50, 73.085, 306.357.

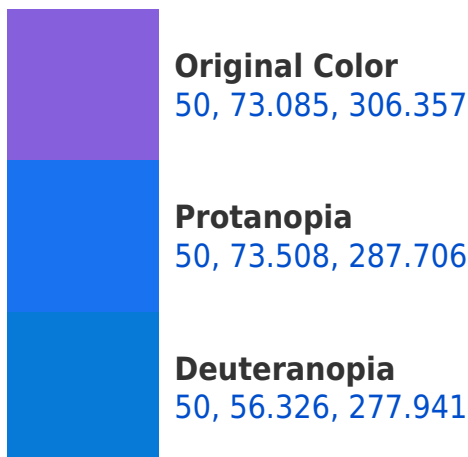


This preview shows how white text looks on a background with the CIELCh color 50, 73.085, 306.357.

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





Tritanopia
50, 6.244, 269.293

Trichromacy



Original Color
50, 73.085, 306.357



Protanomaly
49, 72.916, 291.842



Deuteranomaly
49, 61.864, 286.371



Tritanomaly
49, 30.843, 300.383

Monochromacy



Original Color
50, 73.085, 306.357



Achromatopsia
51, 0.007, 296.813



Achromatomaly
50, 26.880, 303.309

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 73.085, 306.357 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(133, 95, 220)` looks like.

```
.text, #text, p{  
    color:rgb(133, 95, 220)  
}
```

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(133, 95, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 95, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 73.085, 306.357 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(133, 95, 220) }
```

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

```
.border{ border-color:rgb(133, 95, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 95, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 95, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 95, 220);  
box-shadow:4px 4px 4px 4px rgb(133, 95,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 73.085, 306.357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 95, 220) }
```

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

```
.background{ background-color: rgb(133, 95,  
220) }
```

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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