

Converting Colors

CIELCh(51, 81.048, 305.418)

Have a look what the booklet for
CIELCh(51, 81.048, 305.418)
contains.

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Color

CIELCh(51, 80.970, 305.393)

Conversions

Conversions Part 1

Format	Color
Hex	8460EC
RGB	132, 96, 236
RGB Percent	52%, 38%, 93%
CMY	0.4831, 0.6242, 0.0753
CMYK	0.44, 0.59, 0.00, 0.08
HSL	255°, 78%, 65%
HSV	255°, 59%, 92%
XYZ	28.7635, 19.2686, 81.4088
YIQ	122.7240, -23.4840, 51.1720

Conversions

Conversions Part 2

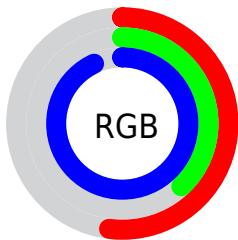
Format	Color
R_{YB}	132, 96, 236
Decimal	8675564
CIE _{Lab}	51.00, 46.90, -66.01
CIE _{LCh}	51, 80.970, 305.393
Yxy	19.2686, 0.2222, 0.1489
Android (android.graphics.Color)	4286865644 (0xFF8460EC)
YUV	122.7240, 55.8451, 8.1351
Hunter-Lab	43.8960, 40.1465, -79.2310

Details

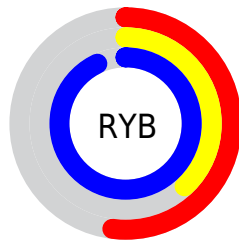
The CIELCh color **51, 80.970, 305.393** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **88, 69.878, 116.746**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 60.258, 308.095**, and **31, 80.955, 305.390** is the 20% darker color. If you saturate the color by 10%, you get **45, 94.915, 306.422**, and if you desaturate by 10%, it is **58, 66.584, 304.324**.

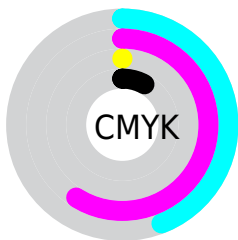
Distribution



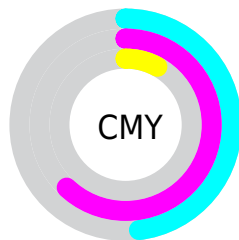
- Red (52%)
- Green (38%)
- Blue (93%)



- Red (52%)
- Yellow (38%)
- Blue (93%)



- Cyan (44%)
- Magenta (59%)
- Yellow (0%)
- Black (8%)



- Cyan (48%)
- Magenta (62%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 80.970, 305.393 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, 80.970, 305.393 by changing the saturation by 10% instead.

■ 51, 80.970,
305.393

■ 51, 80.970,
305.393

■ 100, 80.970,
305.393

■ 41, 80.970,
305.393

■ 71, 80.970,
305.393

■ 31, 80.970,
305.393

■ 81, 80.970,
305.393

■ 21, 80.970,
305.393

■ 91, 80.970,
305.393

■ 11, 80.970,
305.393

■ 1, 80.970, 305.393

■ 0, 80.970, 305.393

51, 80.970,
305.393

51, 80.970,
305.393

45, 94.915,
306.422

58, 66.584,
304.324

39, 107.463,
307.266

65, 52.285,
303.298

35, 117.209,
307.726

72, 38.326,
302.358

32, 123.130,
307.690

79, 24.815,
301.518

32, 123.456,
307.688

87, 11.781,
300.778

94, 0.779, 120.186

100, 9.722,
110.622

100, 9.718,
109.441

Harmonies

Complementary

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



51, 80.970, 305.393



88, 69.878, 116.746

Rectangle

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



51, 80.970, 305.393



51, 80.970, 355.393



51, 80.970, 125.393



51, 80.970, 175.393

Sweetspot

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



51, 80.970, 305.394



86, 24.525, 301.417



76, 33.370, 232.435



44, 17.134, 301.648



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, 80.970, 305.394



47, 103.447, 306.606



59, 82.050, 319.644



45, 7.122, 300.785



23, 101.098, 307.823



3, 36.456, 303.925

Inverse Universe

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



62, 70.966, 337.103



62, 85.657, 338.282



85, 79.646, 134.027



46, 7.068, 333.196



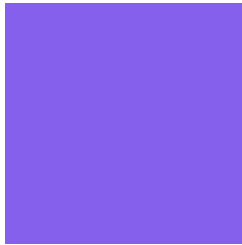
41, 73.468, 341.810



8, 32.311, 339.345

Previews

White Background



This preview shows how the CIELCh color 51, 80.970, 305.393 looks on a white background.

Color Contrast Check

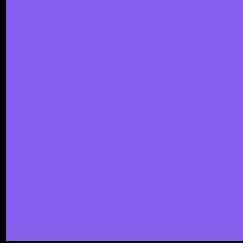
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 51, 80.970, 305.393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

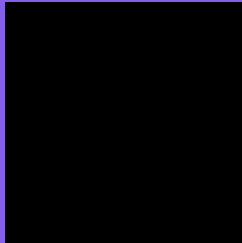
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 80.970, 305.393

Background



This preview shows how black text looks on a background with the CIELCh color 51, 80.970, 305.393.

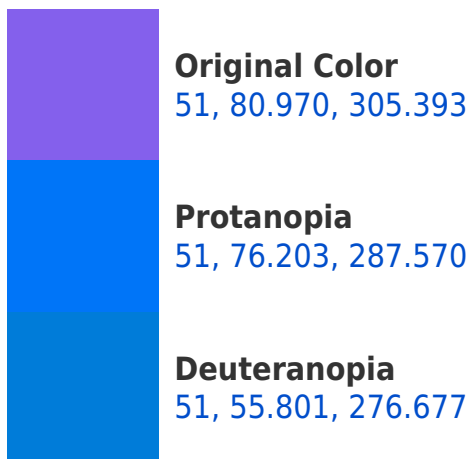


This preview shows how white text looks on a background with the CIELCh color 51, 80.970, 305.393.

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
51, 8.743, 240.906

Trichromacy



Original Color
51, 80.970, 305.393



Protanomaly
50, 78.559, 291.533



Deuteranomaly
50, 64.586, 286.400



Tritanomaly
50, 33.367, 294.879

Monochromacy



Original Color
51, 80.970, 305.393



Achromatopsia
52, 0.007, 296.813



Achromatomaly
51, 30.262, 302.375

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 80.970, 305.393 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(132, 96, 236)` looks like.

```
.text, #text, p{  
    color:rgb(132, 96, 236)  
}
```

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(132, 96, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 96, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 80.970, 305.393 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(132, 96, 236) }
```

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

```
.border{ border-color:rgb(132, 96, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 96, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 96, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 96, 236); box-shadow:4px 4px 4px 4px rgb(132, 96, 236) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 80.970, 305.393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 96, 236) }
```

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

```
.background{ background-color: rgb(132, 96,  
236) }
```

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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