

Converting Colors

CIELCh(51, 62.616, 306.227)

Have a look what the booklet for
CIELCh(51, 62.616, 306.227)
contains.

CIELCh(51, 62.302, 306.286)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 62.302, 306.286)

Conversions

Conversions Part 1

Format	Color
Hex	8866D0
RGB	136, 102, 208
RGB Percent	53%, 40%, 82%
CMY	0.4669, 0.6002, 0.1846
CMYK	0.35, 0.51, 0.00, 0.18
HSL	259°, 53%, 61%
HSV	259°, 51%, 82%
XYZ	26.2627, 19.2686, 61.9627
YIQ	124.2500, -13.7620, 40.1740

Conversions

Conversions Part 2

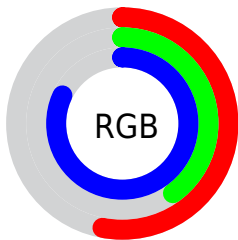
Format	Color
RYB	136, 102, 208
Decimal	8939216
CIELab	51.00, 36.87, -50.22
CIELCh	51, 62.302, 306.286
Yxy	19.2686, 0.2443, 0.1793
Android (android.graphics.Color)	4287129296 (0xFF8866D0)
YUV	124.2500, 41.2888, 10.3048
Hunter-Lab	43.8960, 29.9773, -52.9652

Details

The CIELCh color **51, 62.302, 306.286** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **79, 55.833, 119.813**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 56.591, 307.114**, and **31, 62.182, 306.141** is the 20% darker color. If you saturate the color by 10%, you get **45, 75.089, 307.153**, and if you desaturate by 10%, it is **57, 49.450, 305.424**.

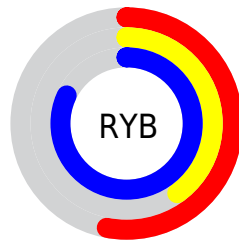
Distribution



Red (53%)

Green (40%)

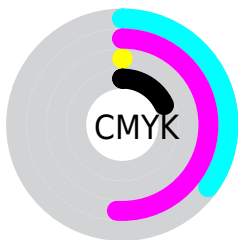
Blue (82%)



Red (53%)

Yellow (40%)

Blue (82%)

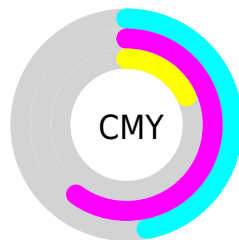


Cyan (35%)

Magenta (51%)

Yellow (0%)

Black (18%)



Cyan (47%)

Magenta (60%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 62.302, 306.286 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, 62.302, 306.286 by changing the saturation by 10% instead.

■ 51, 62.302,
306.286

■ 51, 62.302,
306.286

■ 100, 62.302,
306.286

■ 41, 62.302,
306.286

■ 71, 62.302,
306.286

■ 31, 62.302,
306.286

■ 81, 62.302,
306.286

■ 21, 62.302,
306.286

■ 91, 62.302,
306.286

■ 11, 62.302,
306.286

■ 1, 62.302, 306.286

■ 0, 62.302, 306.286

51, 62.302,
306.286

51, 62.302,
306.286

45, 75.089,
307.153

57, 49.450,
305.424

40, 87.297,
307.940

64, 36.810,
304.611

35, 98.064,
308.514

70, 24.511,
303.871

31, 106.232,
308.702

76, 12.607,
303.208


29, 111.041,
308.531

83, 1.109, 302.579

89, 9.989, 122.128

96, 20.704,
121.684

99, 23.897,
113.802

 99, 23.768,
108.376

Harmonies

Complementary

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



51, 62.302, 306.286



79, 55.833, 119.813

Rectangle

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



51, 62.302, 306.286



51, 62.302, 356.286



51, 62.302, 126.286



51, 62.302, 176.286

Sweetspot

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



51, 62.301, 306.286



89, 20.481, 303.477



68, 27.517, 240.770



46, 14.025, 303.619



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, 62.301, 306.286



55, 88.674, 307.216



57, 65.075, 321.471



41, 6.530, 303.111



22, 94.705, 308.671



2, 26.026, 301.420

Inverse Universe

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



58, 54.152, 339.264



66, 74.088, 340.416



76, 63.990, 136.249



41, 6.143, 335.755



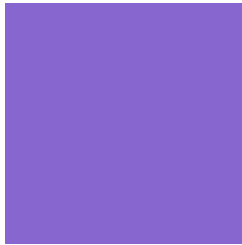
37, 66.847, 346.273



5, 24.330, 342.159

Previews

White Background



This preview shows how the CIELCh color 51, 62.302, 306.286 looks on a white background.

Color Contrast Check

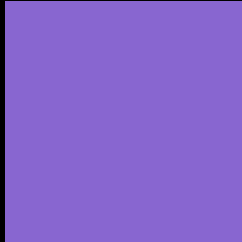
Large Text (above 18pt) WCAG AA ✓ Pass

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, 62.302, 306.286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

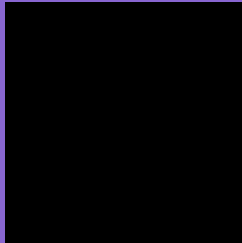
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 62.302, 306.286

Background



This preview shows how black text looks on a background with the CIELCh color 51, 62.302, 306.286.

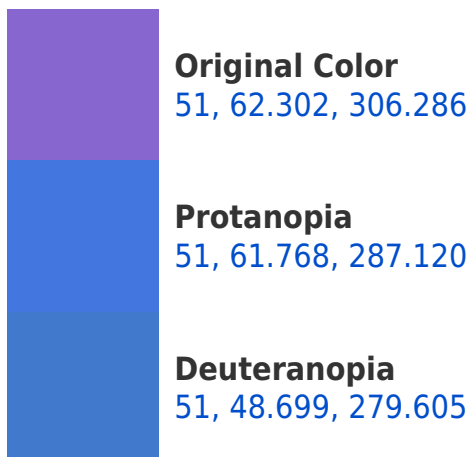


This preview shows how white text looks on a background with the CIELCh color 51, 62.302, 306.286.

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, 5.257, 286.624

Trichromacy



Original Color
51, 62.302, 306.286



Protanomaly
51, 61.579, 293.020



Deuteranomaly
51, 52.485, 289.567



Tritanomaly
51, 26.176, 302.694

Monochromacy



Original Color
51, 62.302, 306.286



Achromatopsia
52, 0.007, 296.813



Achromatomaly
51, 23.257, 303.683

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 62.302, 306.286 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(136, 102, 208)` looks like.

```
.text, #text, p{  
    color:rgb(136, 102, 208)  
}
```

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(136, 102, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 102, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 62.302, 306.286 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(136, 102, 208) }
```

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

```
.border{ border-color:rgb(136, 102, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 102, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 102, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 102, 208);  
box-shadow:4px 4px 4px 4px rgb(136, 102,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 62.302, 306.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 102, 208) }
```

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

```
.background{ background-color: rgb(136,  
102, 208) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor