

Converting Colors

CIELCh(38, 86.038, 301.776)

Have a look what the booklet for
CIELCh(38, 86.038, 301.776)
contains.

CIELCh(38, 86.420, 301.873)	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(38, 86.420, 301.873)

Conversions

Conversions Part 1

Format	Color
Hex	4743D3
RGB	71, 67, 211
RGB Percent	28%, 26%, 83%
CMY	0.7208, 0.7367, 0.1719
CMYK	0.66, 0.68, 0.00, 0.17
HSL	242°, 62%, 55%
HSV	242°, 68%, 83%
XYZ	16.4058, 10.0881, 62.8143
YIQ	84.6120, -43.8400, 45.6320

Conversions

Conversions Part 2

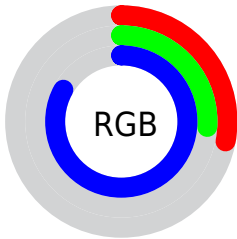
Format	Color
R_{YB}	71, 67, 211
Decimal	4670419
CIE _{Lab}	38.00, 45.63, -73.39
CIE _{LCh}	38, 86.420, 301.873
Yxy	10.0881, 0.1837, 0.1130
Android (android.graphics.Color)	4282860499 (0xFF4743D3)
YUV	84.6120, 62.3093, -11.9377
Hunter-Lab	31.7617, 36.6172, -95.0232

Details

The CIELCh color **38, 86.420, 301.873** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **82, 69.794, 105.479**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 78.896, 301.765**, and **20, 84.469, 303.796** is the 20% darker color. If you saturate the color by 10%, you get **33, 99.086, 303.827**, and if you desaturate by 10%, it is **44, 72.809, 299.809**.

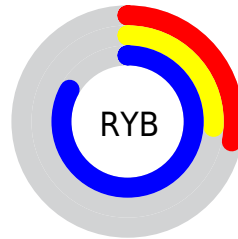
Distribution



Red (28%)

Green (26%)

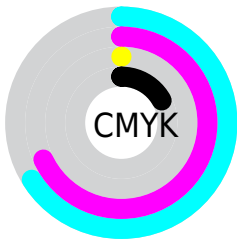
Blue (83%)



Red (28%)

Yellow (26%)

Blue (83%)

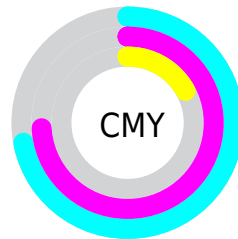


Cyan (66%)

Magenta (68%)

Yellow (0%)

Black (17%)



Cyan (72%)


Magenta (74%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 86.420, 301.873 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 38, 86.420, 301.873 by changing the saturation by 10% instead.


 38, 86.420,
301.873


 38, 86.420,
301.873

 100, 86.420,
301.873


 28, 86.420,
301.873

 58, 86.420,
301.873


 18, 86.420,
301.873


 68, 86.420,
301.873

 8, 86.420, 301.873

 78, 86.420,
301.873

 0, 86.420, 301.873

 88, 86.420,
301.873

 98, 86.420,
301.873

■ 38, 86.420,
301.873

■ 38, 86.420,
301.873

■ 33, 99.086,
303.827

■ 44, 72.809,
299.809

■ 29, 109.164,
305.356

■ 51, 59.181,
297.842

■ 26, 115.082,
306.221

■ 58, 45.936,
296.074

■ 26, 115.930,
306.358


■ 65, 33.200,
294.534

■ 72, 20.988,
293.214

■ 79, 9.276, 292.094

■ 86, 1.972, 111.105

■ 93, 12.790,
110.317

 99, 22.147,
108.500

Harmonies

Complementary

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



38, 86.420, 301.873



82, 69.794, 105.479

Rectangle

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



38, 86.420, 301.873



38, 86.420, 351.873



38, 86.420, 121.873



38, 86.420, 171.873

Sweetspot

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



38, 86.421, 301.874



84, 26.977, 293.462



77, 37.940, 198.719



42, 18.514, 293.828



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38, 86.421, 301.874



38, 120.186, 304.616



45, 84.421, 312.854



40, 6.375, 292.218



20, 97.877, 306.381



2, 25.575, 293.935

Inverse Universe

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



54, 83.856, 328.630



62, 107.713, 329.071



78, 76.517, 126.886



41, 7.547, 325.703



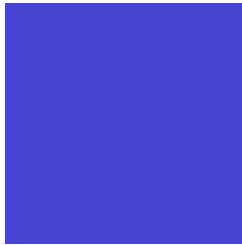
40, 82.816, 329.381



6, 30.453, 328.748

Previews

White Background



This preview shows how the CIELCh color 38, 86.420, 301.873 looks on a white background.

Color Contrast Check

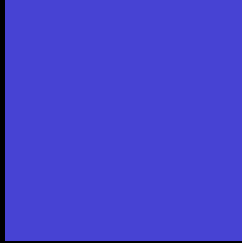
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 38, 86.420, 301.873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

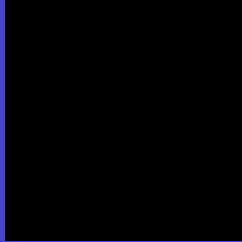
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 86.420, 301.873

Background



This preview shows how black text looks on a background with the CIELCh color 38, 86.420, 301.873.



This preview shows how white text looks on a background with the CIELCh color 38, 86.420, 301.873.

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


38, 86.420, 301.873

Protanopia

38, 58.569, 286.347

Deuteranopia

38, 41.236, 273.355



Tritanopia
38, 24.230, 206.998

Trichromacy



Original Color
38, 86.420, 301.873

Protanomaly
37, 69.142, 292.789

Deuteranomaly
37, 57.464, 288.317

Tritanomaly
36, 36.953, 273.565

Monochromacy



Original Color
38, 86.420, 301.873

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 32.330, 295.807

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 86.420, 301.873 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(71, 67, 211)` looks like.

```
.text, #text, p{  
    color:rgb(71, 67, 211)  
}
```

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(71, 67, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 67, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 86.420, 301.873 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(71, 67, 211) }
```

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

```
.border{ border-color:rgb(71, 67, 211) }
```

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

Here you see how a box with a 4 pixel rgb(71, 67, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 67, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 67, 211);  
box-shadow:4px 4px 4px 4px rgb(71, 67,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 86.420, 301.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 67, 211) }
```

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

```
.background{ background-color: rgb(71, 67,  
211) }
```

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