

Converting Colors

CIELCh(38, 73.185, 301.899)

Have a look what the booklet for
CIELCh(38, 73.185, 301.899)
contains.

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Color

CIELCh(38, 73.282, 301.952)

Conversions

Conversions Part 1

Format	Color
Hex	5247C0
RGB	82, 71, 192
RGB Percent	32%, 28%, 75%
CMY	0.6788, 0.7219, 0.2474
CMYK	0.57, 0.63, 0.00, 0.25
HSL	245°, 49%, 52%
HSV	245°, 63%, 75%
XYZ	15.2241, 10.0881, 50.9611
YIQ	88.0830, -32.2850, 39.9630

Conversions

Conversions Part 2

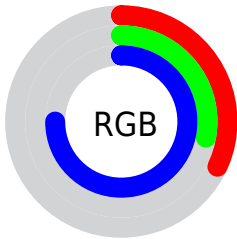
Format	Color
R_{YB}	82, 71, 192
Decimal	5392320
CIE _{Lab}	38.00, 38.78, -62.18
CIE _{LCh}	38, 73.282, 301.952
Yxy	10.0881, 0.1996, 0.1323
Android (android.graphics.Color)	4283582400 (0xFF5247C0)
YUV	88.0830, 51.2311, -5.3348
Hunter-Lab	31.7617, 29.9759, -72.8966

Details

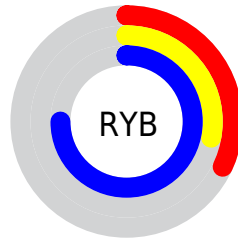
The CIELCh color **38, 73.282, 301.952** is a dark color, and the websafe version is hex **333399**. The color can be described as dark muted blue. A complement of this color would be **75, 60.956, 108.892**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 73.224, 302.032**, and **18, 72.999, 302.131** is the 20% darker color. If you saturate the color by 10%, you get **33, 85.466, 303.665**, and if you desaturate by 10%, it is **44, 60.737, 300.237**.

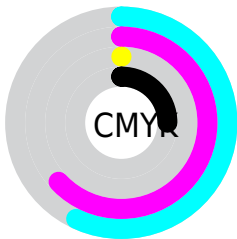
Distribution



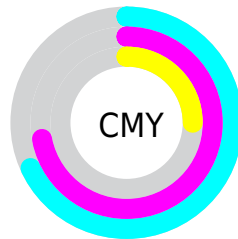
- Red (32%)
- Green (28%)
- Blue (75%)



- Red (32%)
- Yellow (28%)
- Blue (75%)



- Cyan (57%)
- Magenta (63%)
- Yellow (0%)
- Black (25%)





- Cyan (68%)
- Magenta (72%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 73.282, 301.952 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, 73.282, 301.952 by changing the saturation by 10% instead.


 38, 73.282,
301.952


 38, 73.282,
301.952

 100, 73.282,
301.952


 28, 73.282,
301.952

 58, 73.282,
301.952


 18, 73.282,
301.952


 68, 73.282,
301.952

 8, 73.282, 301.952

 78, 73.282,
301.952

 0, 73.282, 301.952

 88, 73.282,
301.952

 98, 73.282,
301.952

■ 38, 73.282,
301.952

■ 38, 73.282,
301.952

■ 33, 85.466,
303.665

■ 44, 60.737,
300.237

■ 28, 96.225,
305.154

■ 50, 48.364,
298.642

■ 25, 103.997,
306.135

■ 57, 36.383,
297.219

■ 23, 107.568,
306.567

■ 63, 24.859,
295.980

■ 69, 13.792,
294.914

■ 76, 3.162, 294.007

■ 82, 7.060, 113.213

■ 88, 16.903,
112.547

■ 95, 26.393,
111.975

Harmonies

Complementary

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



38, 73.282, 301.952



75, 60.956, 108.892

Rectangle

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



38, 73.282, 301.952



38, 73.282, 351.952



38, 73.282, 121.952



38, 73.282, 171.952

Sweetspot

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



38, 73.282, 301.953



83, 25.208, 295.563



68, 31.533, 207.298



42, 17.447, 295.883



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



38, 73.282, 301.953



41, 110.023, 304.330



44, 72.761, 314.630



37, 6.000, 294.563



19, 94.217, 306.618



1, 19.517, 293.591

Inverse Universe

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



51, 70.451, 330.533



61, 97.959, 331.219



71, 67.707, 129.166



38, 6.790, 327.504



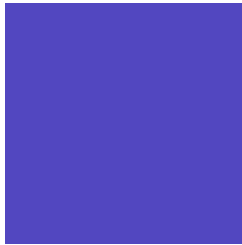
37, 76.238, 332.166



4, 22.249, 329.591

Previews

White Background



This preview shows how the CIELCh color 38, 73.282, 301.952 looks on a white background.

Color Contrast Check

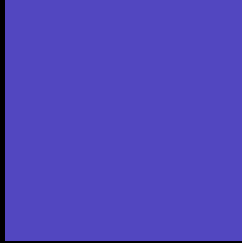
Large Text (above 18pt) WCAG AA ✓ Pass

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, 73.282, 301.952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

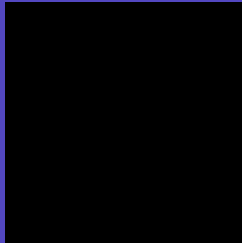
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 38, 73.282, 301.952

Background



This preview shows how black text looks on a background with the CIELCh color 38, 73.282, 301.952.



This preview shows how white text looks on a background with the CIELCh color 38, 73.282, 301.952.

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, 73.282, 301.952

Protanopia

38, 59.135, 286.601

Deuteranopia

38, 41.755, 273.560



Tritanopia
38, 17.259, 212.022

Trichromacy



Original Color
38, 73.282, 301.952

Protanomaly
37, 64.365, 291.321

Deuteranomaly
37, 53.248, 286.452

Tritanomaly
37, 30.293, 278.660

Monochromacy



Original Color
38, 73.282, 301.952

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 27.308, 297.313

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 73.282, 301.952 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(82, 71, 192)` looks like.

```
.text, #text, p{  
    color:rgb(82, 71, 192)  
}
```

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(82, 71, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 71, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 73.282, 301.952 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(82, 71, 192) }
```

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

```
.border{ border-color:rgb(82, 71, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 71, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 71, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 71, 192);  
box-shadow:4px 4px 4px 4px rgb(82, 71,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 73.282, 301.952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 71, 192) }
```

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

```
.background{ background-color: rgb(82, 71,  
192) }
```

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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