

Converting Colors

CIELCh(38, 69.682, 302.826)

Have a look what the booklet for
CIELCh(38, 69.682, 302.826)
contains.

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Color

CIELCh(38, 69.840, 302.769)

Conversions

Conversions Part 1

Format	Color
Hex	5747BA
RGB	87, 71, 186
RGB Percent	34%, 28%, 73%
CMY	0.6586, 0.7214, 0.2704
CMYK	0.53, 0.62, 0.00, 0.27
HSL	248°, 45%, 50%
HSV	248°, 62%, 73%
XYZ	15.0598, 10.0881, 47.6360
YIQ	88.8940, -27.3790, 39.1570

Conversions

Conversions Part 2

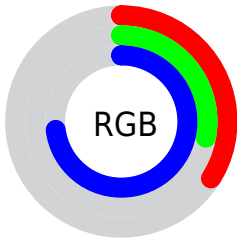
Format	Color
R_{YB}	87, 71, 186
Decimal	5719994
CIE _{Lab}	38.00, 37.80, -58.73
CIE _{LCh}	38, 69.840, 302.769
Yxy	10.0881, 0.2069, 0.1386
Android (android.graphics.Color)	4283910074 (0xFF5747BA)
YUV	88.8940, 47.8733, -1.6610
Hunter-Lab	31.7617, 29.0525, -66.6895

Details

The CIELCh color **38, 69.840, 302.769** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **72, 58.757, 111.286**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 70.019, 302.738**, and **18, 69.828, 302.734** is the 20% darker color. If you saturate the color by 10%, you get **33, 81.668, 304.258**, and if you desaturate by 10%, it is **44, 57.709, 301.278**.

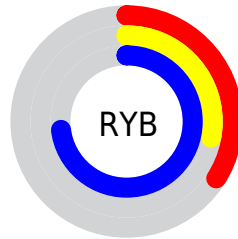
Distribution



Red (34%)

Green (28%)

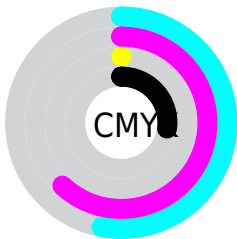
Blue (73%)



Red (34%)

Yellow (28%)

Blue (73%)

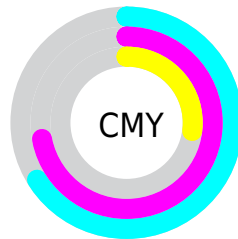


Cyan (53%)

Magenta (62%)

Yellow (0%)

Black (27%)



Cyan (66%)


Magenta (72%)


Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 69.840, 302.769 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, 69.840, 302.769 by changing the saturation by 10% instead.

 38, 69.840,
302.769


 38, 69.840,
302.769

 100, 69.840,
302.769


 28, 69.840,
302.769

 58, 69.840,
302.769

 18, 69.840,
302.769


 68, 69.840,
302.769

 8, 69.840, 302.769

 78, 69.840,
302.769

 0, 69.840, 302.769

 88, 69.840,
302.769

 98, 69.840,
302.769

■ 38, 69.840,
302.769

■ 38, 69.840,
302.769

■ 33, 81.668,
304.258

■ 44, 57.709,
301.278

■ 28, 92.285,
305.559

■ 50, 45.740,
299.885

■ 25, 100.311,
306.421

■ 56, 34.130,
298.636

■ 23, 104.696,
306.819

■ 62, 22.943,
297.541

■ 68, 12.186,
296.593

■ 74, 1.844, 295.781

■ 81, 8.108, 115.073

■ 87, 17.696,
114.472

■ 93, 26.944,
113.956

Harmonies

Complementary

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



38, 69.840, 302.769



72, 58.757, 111.286

Rectangle

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



38, 69.840, 302.769



38, 69.840, 352.769



38, 69.840, 122.769



38, 69.840, 172.769

Sweetspot

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



38, 69.840, 302.770



81, 24.639, 297.291



65, 29.278, 214.358



41, 17.193, 297.580



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



38, 69.840, 302.770



41, 104.206, 304.735



44, 69.808, 316.096



36, 5.754, 296.379



18, 91.618, 306.891



1, 15.438, 294.323

Inverse Universe

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



49, 65.543, 332.250



59, 91.149, 333.072



69, 65.894, 130.743



36, 6.278, 329.016



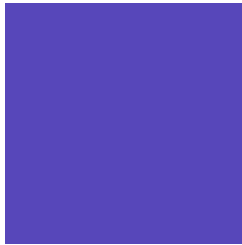
35, 71.741, 334.583



3, 16.330, 330.825

Previews

White Background



This preview shows how the CIELCh color 38, 69.840, 302.769 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 38, 69.840, 302.769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

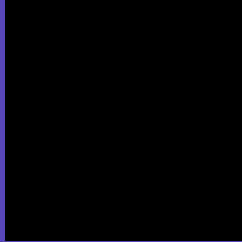
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 69.840, 302.769

Background



This preview shows how black text looks on a background with the CIELCh color 38, 69.840, 302.769.



This preview shows how white text looks on a background with the CIELCh color 38, 69.840, 302.769.

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, 69.840, 302.769

Protanopia

38, 59.701, 286.850

Deuteranopia

38, 42.825, 274.896



Tritanopia
38, 13.658, 219.223

Trichromacy



Original Color
38, 69.840, 302.769

Protanomaly
37, 63.194, 291.137

Deuteranomaly
37, 52.064, 286.154

Tritanomaly
37, 29.254, 284.066

Monochromacy



Original Color
38, 69.840, 302.769

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 26.134, 298.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 69.840, 302.769 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(87, 71, 186)` looks like.

```
.text, #text, p{  
    color:rgb(87, 71, 186)  
}
```

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(87, 71, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 71, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 69.840, 302.769 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(87, 71, 186) }
```

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

```
.border{ border-color:rgb(87, 71, 186) }
```

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

Here you see how a box with a 4 pixel rgb(87, 71, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 71, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 71, 186);  
box-shadow:4px 4px 4px 4px rgb(87, 71,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 69.840, 302.769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 71, 186) }
```

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

```
.background{ background-color: rgb(87, 71,  
186) }
```

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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