

Converting Colors

CIELCh(38, 81.119, 304.105)

Have a look what the booklet for
CIELCh(38, 81.119, 304.105)
contains.

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Color

CIELCh(38, 80.610, 303.951)

Conversions

Conversions Part 1

Format	Color
Hex	5742C8
RGB	87, 66, 200
RGB Percent	34%, 26%, 78%
CMY	0.6589, 0.7413, 0.2158
CMYK	0.57, 0.67, 0.00, 0.22
HSL	249°, 55%, 52%
HSV	249°, 67%, 78%
XYZ	16.2975, 10.0881, 55.7175
YIQ	87.5550, -30.4980, 46.1260

Conversions

Conversions Part 2

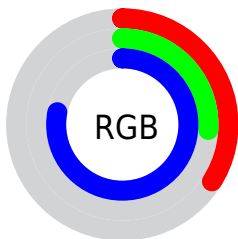
Format	Color
R_{YB}	87, 66, 200
Decimal	5718728
CIE _{Lab}	38.00, 45.02, -66.87
CIE _{LCh}	38, 80.610, 303.951
Yxy	10.0881, 0.1985, 0.1229
Android (android.graphics.Color)	4283908808 (0xFF5742C8)
YUV	87.5550, 55.4354, -0.4867
Hunter-Lab	31.7617, 36.0088, -81.7754

Details

The CIELCh color **38, 80.610, 303.951** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted blue. A complement of this color would be **77, 66.573, 111.886**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 78.865, 303.987**, and **18, 80.802, 304.011** is the 20% darker color. If you saturate the color by 10%, you get **33, 92.529, 305.290**, and if you desaturate by 10%, it is **44, 67.889, 302.513**.

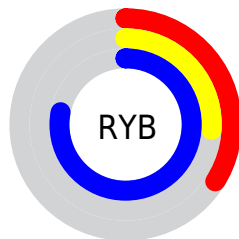
Distribution



Red (34%)

Green (26%)

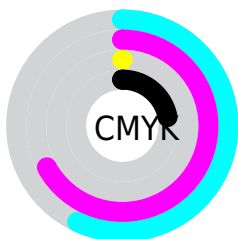
Blue (78%)



Red (34%)

Yellow (26%)

Blue (78%)

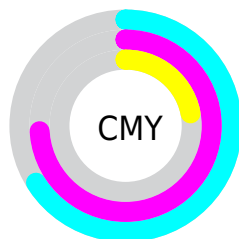


Cyan (57%)

Magenta (67%)

Yellow (0%)

Black (22%)



Cyan (66%)


Magenta (74%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 80.610, 303.951 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, 80.610, 303.951 by changing the saturation by 10% instead.


 38, 80.610,
303.951


 38, 80.610,
303.951

 100, 80.610,
303.951


 28, 80.610,
303.951

 58, 80.610,
303.951


 18, 80.610,
303.951


 68, 80.610,
303.951

 8, 80.610, 303.951

 78, 80.610,
303.951

 0, 80.610, 303.951

 88, 80.610,
303.951

 98, 80.610,
303.951

■ 38, 80.610,
303.951

■ 38, 80.610,
303.951

■ 33, 92.529,
305.290

■ 44, 67.889,
302.513

■ 29, 102.394,
306.304

■ 50, 55.095,
301.118

■ 26, 108.800,
306.778

■ 57, 42.575,
299.837

■ 25, 110.345,
306.902

■ 63, 30.468,
298.700

■ 70, 18.813,
297.707

■ 76, 7.606, 296.848

■ 83, 3.174, 116.108

■ 89, 13.554,
115.475

■ 95, 23.558,
114.931

Harmonies

Complementary

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



38, 80.610, 303.951



77, 66.573, 111.886

Rectangle

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



38, 80.610, 303.951



38, 80.610, 353.951



38, 80.610, 123.951



38, 80.610, 173.951

Sweetspot

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



38, 80.610, 303.952



84, 27.124, 298.017



68, 32.103, 217.608



43, 18.609, 298.299



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, 80.610, 303.952



40, 116.427, 305.764



45, 79.461, 316.707



38, 6.155, 297.041



19, 94.774, 306.985



1, 21.616, 295.871

Inverse Universe

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



51, 72.766, 333.291



61, 97.415, 334.253



73, 75.081, 131.075



39, 6.625, 329.595



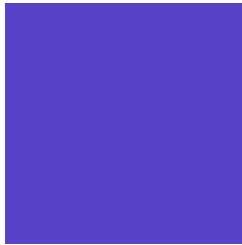
37, 73.305, 335.554



4, 23.328, 332.972

Previews

White Background



This preview shows how the CIELCh color 38, 80.610, 303.951 looks on a white background.

Color Contrast Check

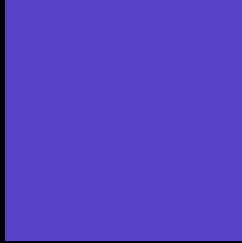
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.610, 303.951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

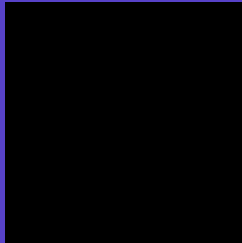
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 80.610, 303.951

Background



This preview shows how black text looks on a background with the CIELCh color 38, 80.610, 303.951.



This preview shows how white text looks on a background with the CIELCh color 38, 80.610, 303.951.

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, 80.610, 303.951

Protanopia

38, 59.135, 286.601

Deuteranopia

38, 41.755, 273.560



Tritanopia
38, 16.322, 215.309

Trichromacy



Original Color
38, 80.610, 303.951

Protanomaly
37, 67.361, 292.761

Deuteranomaly
37, 55.577, 287.953

Tritanomaly
37, 33.659, 284.155

Monochromacy



Original Color
38, 80.610, 303.951

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 30.544, 300.004

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 80.610, 303.951 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, 66, 200)` looks like.

```
.text, #text, p{  
    color:rgb(87, 66, 200)  
}
```

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, 66, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 66, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 80.610, 303.951 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, 66, 200) }
```

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

```
.border{ border-color:rgb(87, 66, 200) }
```

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

Here you see how a box with a 4 pixel rgb(87, 66, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 66, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 66, 200);  
box-shadow:4px 4px 4px 4px rgb(87, 66,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 80.610, 303.951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 66, 200) }
```

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

```
.background{ background-color: rgb(87, 66,  
200) }
```

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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