

Converting Colors

CIELCh(38, 81.116, 297.837)

Have a look what the booklet for
CIELCh(38, 81.116, 297.837)
contains.

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Color

CIELCh(38, 81.011, 297.832)

Conversions

Conversions Part 1

Format	Color
Hex	304AD0
RGB	48, 74, 208
RGB Percent	19%, 29%, 82%
CMY	0.8115, 0.7097, 0.1842
CMYK	0.77, 0.64, 0.00, 0.18
HSL	230°, 63%, 50%
HSV	230°, 77%, 82%
XYZ	15.0633, 10.0881, 60.8544
YIQ	81.5020, -58.5100, 36.1620

Conversions

Conversions Part 2

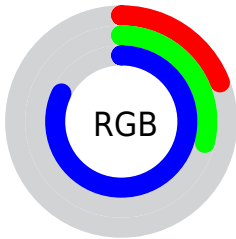
Format	Color
R_{YB}	48, 70, 208
Decimal	3164880
CIE _{Lab}	38.00, 37.82, -71.64
CIE _{LCh}	38, 81.011, 297.832
Yxy	10.0881, 0.1751, 0.1173
Android (android.graphics.Color)	4281354960 (0xFF304AD0)
YUV	81.5020, 62.3635, -29.3813
Hunter-Lab	31.7617, 29.0726, -91.3646

Details

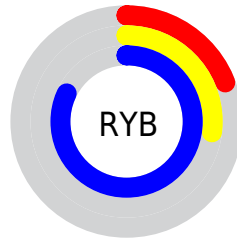
The CIELCh color **38, 81.011, 297.832** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark muted blue. A complement of this color would be **74, 66.705, 93.733**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 74.741, 297.258**, and **21, 78.152, 301.901** is the 20% darker color. If you saturate the color by 10%, you get **33, 92.266, 300.628**, and if you desaturate by 10%, it is **43, 69.418, 295.018**.

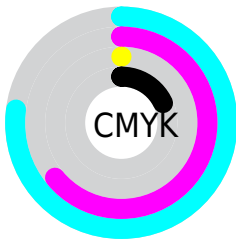
Distribution



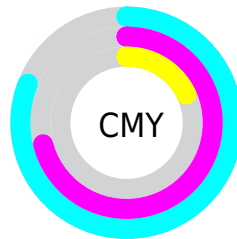
- Red (19%)
- Green (29%)
- Blue (82%)



- Red (19%)
- Yellow (27%)
- Blue (82%)



- Cyan (77%)
- Magenta (64%)
- Yellow (0%)
- Black (18%)





- Cyan (81%)
- Magenta (71%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 81.011, 297.832 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, 81.011, 297.832 by changing the saturation by 10% instead.


 38, 81.011,
297.832


 38, 81.011,
297.832

 100, 81.011,
297.832


 28, 81.011,
297.832

 58, 81.011,
297.832


 18, 81.011,
297.832


 68, 81.011,
297.832

 8, 81.011, 297.832

 78, 81.011,
297.832

 0, 81.011, 297.832

 88, 81.011,
297.832

 98, 81.011,
297.832

■ 38, 81.011,
297.832

■ 38, 81.011,
297.832

■ 33, 92.266,
300.628

■ 43, 69.418,
295.018

■ 30, 102.216,
303.112

■ 49, 57.993,
292.378

■ 29, 104.880,
303.740

■ 55, 46.929,
290.014

■ 61, 36.266,
287.952

■ 67, 25.986,
286.180

■ 73, 16.058,
284.667

■ 79, 6.452, 283.384

■ 85, 2.855, 102.203

■ 91, 11.883,
101.285

Harmonies

Complementary

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



38, 81.011, 297.832



74, 66.705, 93.733

Rectangle

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



38, 81.011, 297.832



38, 81.011, 347.832



38, 81.011, 117.832



38, 81.011, 167.832

Sweetspot

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



38, 81.012, 297.833



83, 26.062, 285.604



76, 46.082, 177.809



42, 18.148, 286.186



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, 81.012, 297.833



39, 115.024, 302.226



37, 93.836, 308.584



41, 5.355, 283.686



22, 88.563, 303.407



3, 22.700, 289.085

Inverse Universe

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



47, 67.014, 21.519



54, 90.983, 29.184



77, 78.524, 119.917



41, 4.555, 6.957



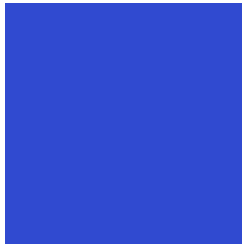
35, 69.536, 31.753



4, 20.140, 11.937

Previews

White Background



This preview shows how the CIE LCh color 38, 81.011, 297.832 looks on a white background.

Color Contrast Check

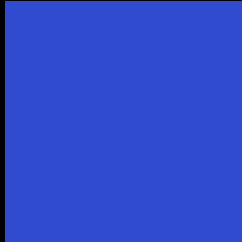
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.011, 297.832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

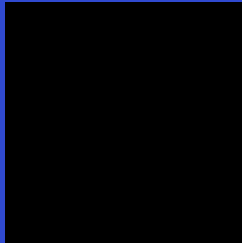
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 81.011, 297.832

Background



This preview shows how black text looks on a background with the CIELCh color 38, 81.011, 297.832.



This preview shows how white text looks on a background with the CIELCh color 38, 81.011, 297.832.

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, 81.011, 297.832

Protanopia

38, 58.569, 286.347

Deuteranopia

38, 41.236, 273.355



Tritanopia
38, 24.300, 205.444

Trichromacy



Original Color
38, 81.011, 297.832

Protanomaly
38, 66.701, 290.974

Deuteranomaly
37, 55.088, 285.830

Tritanomaly
37, 34.695, 267.886

Monochromacy



Original Color
38, 81.011, 297.832

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 30.595, 289.655

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 81.011, 297.832 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(48, 74, 208)` looks like.

```
.text, #text, p{  
    color:rgb(48, 74, 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(48, 74, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 74, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 81.011, 297.832 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(48, 74, 208) }
```

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

```
.border{ border-color:rgb(48, 74, 208) }
```

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

Here you see how a box with a 4 pixel rgb(48, 74, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 74, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 74, 208);  
box-shadow:4px 4px 4px 4px rgb(48, 74,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 81.011, 297.832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 74, 208) }
```

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

```
.background{ background-color: rgb(48, 74,  
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](#).

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