

Converting Colors

CIELCh(38, 110.917, 304.992)

Have a look what the booklet for
CIELCh(38, 110.917, 304.992)
contains.

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Color

CIELCh(38, 110.856, 304.920)

Conversions

Conversions Part 1

Format	Color
Hex	4733F2
RGB	71, 51, 242
RGB Percent	28%, 20%, 95%
CMY	0.7224, 0.8006, 0.0516
CMYK	0.71, 0.79, 0.00, 0.05
HSL	246°, 88%, 57%
HSV	246°, 79%, 95%
XYZ	19.7631, 10.0881, 84.7860
YIQ	78.7540, -49.3910, 63.6410

Conversions

Conversions Part 2

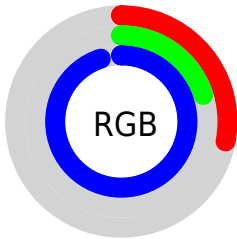
Format	Color
R _Y B	71, 51, 242
Decimal	4666354
CIE Lab	38.00, 63.46, -90.90
CIE LCh	38, 110.856, 304.920
Yxy	10.0881, 0.1724, 0.0880
Android (android.graphics.Color)	4282856434 (0xFF4733F2)
YUV	78.7540, 80.4803, -6.8003
Hunter-Lab	31.7617, 55.4851, -136.0380

Details

The CIELCh color **38, 110.856, 304.920** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **91, 86.146, 108.952**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 87.257, 305.600**, and **22, 104.725, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 121.449, 306.032**, and if you desaturate by 10%, it is **44, 97.230, 303.382**.

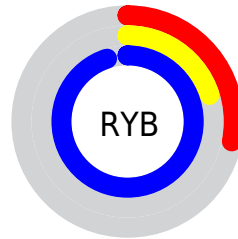
Distribution



Red (28%)

Green (20%)

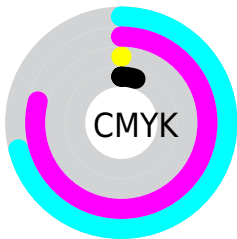
Blue (95%)



Red (28%)

Yellow (20%)

Blue (95%)

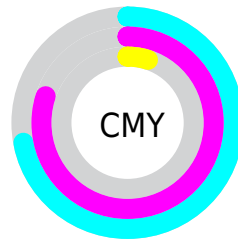


Cyan (71%)

Magenta (79%)

Yellow (0%)

Black (5%)



Cyan (72%)


Magenta (80%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 110.856, 304.920 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, 110.856, 304.920 by changing the saturation by 10% instead.


 38, 110.856,
304.920


 38, 110.856,
304.920


 100, 110.856,
304.920


 28, 110.856,
304.920


 58, 110.856,
304.920


 18, 110.856,
304.920


 68, 110.856,
304.920

 8, 110.856,
304.920

 78, 110.856,
304.920

 0, 110.856,
304.920

 88, 110.856,
304.920

 98, 110.856,
304.920

■ 38, 110.856,
304.920

■ 38, 110.856,
304.920

■ 34, 121.449,
306.032

■ 44, 97.230,
303.382

■ 31, 127.476,
306.524

■ 51, 82.334,
301.691

■ 31, 127.965,
306.570

■ 58, 67.249,
300.041

■ 65, 52.480,
298.530

■ 73, 38.221,
297.196

■ 81, 24.519,
296.039

■ 89, 11.367,
295.047

■ 96, 1.267, 114.173

100, 6.659,
109.668

Harmonies

Complementary

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



38, 110.856, 304.920



91, 86.146, 108.952

Rectangle

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



38, 110.856, 304.920



38, 110.856, 354.920



38, 110.856, 124.920



38, 110.856, 174.920

Sweetspot

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



38, 110.857, 304.921



81, 32.721, 296.607



82, 41.237, 211.248



40, 22.645, 297.032



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, 110.857, 304.921



34, 130.854, 306.393



48, 105.246, 315.266



46, 7.155, 295.093



22, 103.963, 306.638



3, 38.081, 301.181

Inverse Universe

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



58, 96.383, 331.900



59, 105.888, 332.722



86, 97.171, 129.649



47, 8.014, 327.931



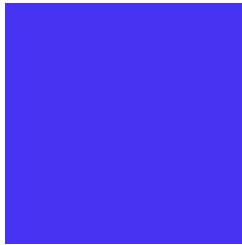
43, 83.206, 332.873



10, 36.737, 332.163

Previews

White Background



This preview shows how the CIELCh color 38, 110.856, 304.920 looks on a white background.

Color Contrast Check

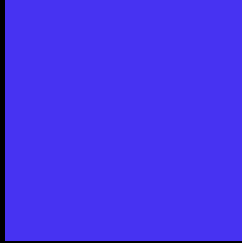
Large Text (above 18pt) WCAG AA ✓ Pass

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, 110.856, 304.920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

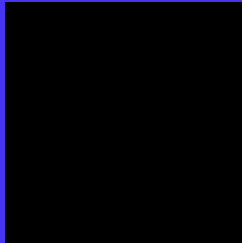
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 110.856, 304.920

Background



This preview shows how black text looks on a background with the CIELCh color 38, 110.856, 304.920.



This preview shows how white text looks on a background with the CIELCh color 38, 110.856, 304.920.

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, 110.856, 304.920

Protanopia

38, 58.004, 286.087

Deuteranopia

37, 40.189, 272.261



Tritanopia
37, 24.054, 207.095

Trichromacy



Original Color
38, 110.856, 304.920

Protanomaly
36, 78.692, 296.052

Deuteranomaly
36, 67.134, 292.820

Tritanomaly
35, 46.593, 283.257

Monochromacy



Original Color
38, 110.856, 304.920

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 43.403, 299.812

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 110.856, 304.920 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, 51, 242)` looks like.

```
.text, #text, p{  
    color:rgb(71, 51, 242)  
}
```

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, 51, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 51, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 110.856, 304.920 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, 51, 242) }
```

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

```
.border{ border-color:rgb(71, 51, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 51, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 51, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 51, 242);  
box-shadow:4px 4px 4px 4px rgb(71, 51,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 110.856, 304.920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 51, 242) }
```

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

```
.background{ background-color: rgb(71, 51,  
242) }
```

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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