

Converting Colors

CIELCh(38, 83.230, 300.545)

Have a look what the booklet for
CIELCh(38, 83.230, 300.545)
contains.

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Color

CIELCh(38, 83.110, 300.560)

Conversions

Conversions Part 1

Format	Color
Hex	4246D0
RGB	66, 70, 208
RGB Percent	26%, 27%, 82%
CMY	0.7413, 0.7256, 0.1844
CMYK	0.68, 0.66, 0.00, 0.18
HSL	238°, 60%, 54%
HSV	238°, 68%, 82%
XYZ	15.8160, 10.0881, 60.7726
YIQ	84.5360, -46.6820, 42.0700

Conversions

Conversions Part 2

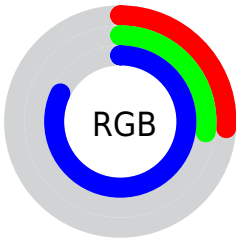
Format	Color
R _Y B	66, 70, 208
Decimal	4343504
CIE Lab	38.00, 42.26, -71.57
CIE LCh	38, 83.110, 300.560
Yxy	10.0881, 0.1825, 0.1164
Android (android.graphics.Color)	4282533584 (0xFF4246D0)
YUV	84.5360, 60.8678, -16.2561
Hunter-Lab	31.7617, 33.3029, -91.2118

Details

The CIELCh color **38, 83.110, 300.560** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **80, 67.487, 102.622**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 77.085, 300.376**, and **20, 80.936, 302.959** is the 20% darker color. If you saturate the color by 10%, you get **33, 95.688, 302.809**, and if you desaturate by 10%, it is **44, 69.878, 298.259**.

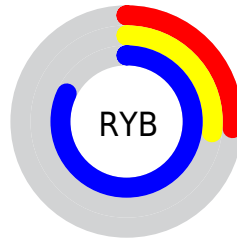
Distribution



Red (26%)

Green (27%)

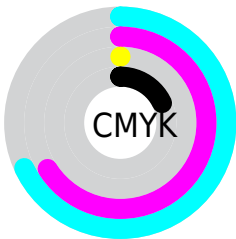
Blue (82%)



Red (26%)

Yellow (27%)

Blue (82%)

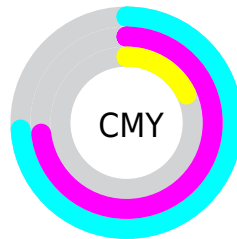


Cyan (68%)

Magenta (66%)

Yellow (0%)

Black (18%)



Cyan (74%)


Magenta (73%)


Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 83.110, 300.560 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, 83.110, 300.560 by changing the saturation by 10% instead.


 38, 83.110,
300.560


 38, 83.110,
300.560

 100, 83.110,
300.560


 28, 83.110,
300.560

 58, 83.110,
300.560


 18, 83.110,
300.560


 68, 83.110,
300.560

 8, 83.110, 300.560

 78, 83.110,
300.560

 0, 83.110, 300.560

 88, 83.110,
300.560

 98, 83.110,
300.560

■ 38, 83.110,
300.560

■ 38, 83.110,
300.560

■ 33, 95.688,
302.809

■ 44, 69.878,
298.259

■ 29, 106.153,
304.688

■ 51, 56.763,
296.102

■ 26, 112.746,
305.867

■ 57, 44.069,
294.183

■ 26, 113.534,
305.995

■ 64, 31.880,
292.521

■ 71, 20.190,
291.104

■ 78, 8.968, 289.903

■ 85, 1.822, 108.829

■ 91, 12.213,
107.994

■ 98, 22.234,
107.253

Harmonies

Complementary

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



38, 83.110, 300.560



80, 67.487, 102.622

Rectangle

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



38, 83.110, 300.560



38, 83.110, 350.560



38, 83.110, 120.560



38, 83.110, 170.560

Sweetspot

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



38, 83.110, 300.561



84, 26.173, 291.364



76, 38.923, 192.840



42, 17.960, 291.756



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, 83.110, 300.561



38, 117.749, 303.758



43, 83.594, 311.476



40, 6.189, 290.029



20, 96.683, 305.908



2, 25.051, 292.566

Inverse Universe

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



49, 63.291, 28.021



56, 89.813, 33.396



77, 74.581, 125.118



41, 4.459, 17.647



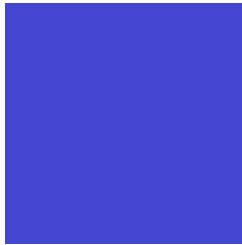
35, 75.284, 38.714



4, 20.017, 18.153

Previews

White Background



This preview shows how the CIE LCh color 38, 83.110, 300.560 looks on a white background.

Color Contrast Check

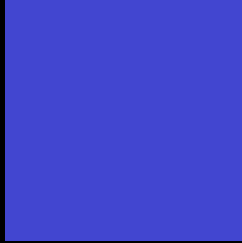
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.110, 300.560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

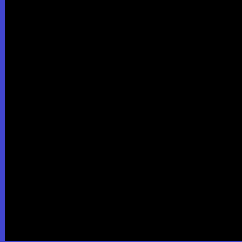
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 83.110, 300.560

Background



This preview shows how black text looks on a background with the CIELCh color 38, 83.110, 300.560.



This preview shows how white text looks on a background with the CIELCh color 38, 83.110, 300.560.

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, 83.110, 300.560

Protanopia

38, 58.569, 286.347

Deuteranopia

38, 41.236, 273.355



Tritanopia
38, 24.230, 206.998

Trichromacy



Original Color
38, 83.110, 300.560

Protanomaly
37, 67.941, 292.133

Deuteranomaly
37, 56.274, 287.406

Tritanomaly
36, 35.967, 271.657

Monochromacy



Original Color
38, 83.110, 300.560

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 31.050, 293.830

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 83.110, 300.560 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(66, 70, 208)` looks like.

```
.text, #text, p{  
    color:rgb(66, 70, 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(66, 70, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 70, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 83.110, 300.560 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(66, 70, 208) }
```

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

```
.border{ border-color:rgb(66, 70, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 70, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 70, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 70, 208);  
box-shadow:4px 4px 4px 4px rgb(66, 70,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 83.110, 300.560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 70, 208) }
```

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

```
.background{ background-color: rgb(66, 70,  
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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