

Converting Colors

CIELCh(38, 102.535, 306.411)

Have a look what the booklet for
CIELCh(38, 102.535, 306.411)
contains.

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Color

CIELCh(38, 102.516, 306.483)

Conversions

Conversions Part 1

Format	Color
Hex	5A33E3
RGB	90, 51, 227
RGB Percent	35%, 20%, 89%
CMY	0.6470, 0.8000, 0.1098
CMYK	0.60, 0.78, 0.00, 0.11
HSL	253°, 76%, 55%
HSV	253°, 78%, 89%
XYZ	19.2663, 10.0881, 73.6075
YIQ	82.7250, -33.2520, 63.0040

Conversions

Conversions Part 2

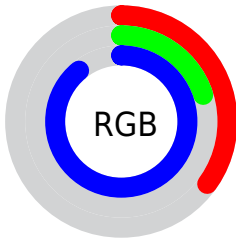
Format	Color
R_{YB}	90, 51, 227
Decimal	5911523
CIE _{Lab}	38.00, 60.95, -82.43
CIE _{LCh}	38, 102.516, 306.483
Yxy	10.0881, 0.1871, 0.0980
Android (android.graphics.Color)	4284101603 (0xFF5A33E3)
YUV	82.7250, 71.1276, 6.3802
Hunter-Lab	31.7617, 52.6931, -115.1710

Details

The CIELCh color **38, 102.516, 306.483** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **85, 82.482, 114.845**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 86.594, 307.491**, and **20, 98.759, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 112.809, 307.176**, and if you desaturate by 10%, it is **44, 89.792, 305.447**.

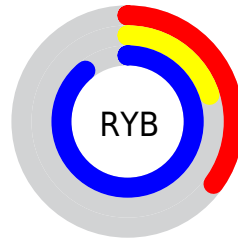
Distribution



Red (35%)

Green (20%)

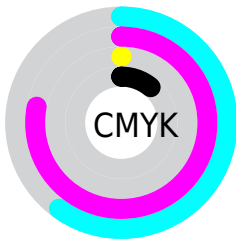
Blue (89%)



Red (35%)

Yellow (20%)

Blue (89%)

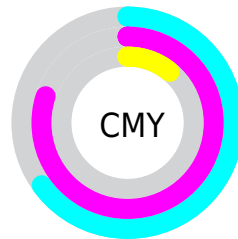


Cyan (60%)

Magenta (78%)

Yellow (0%)

Black (11%)



Cyan (65%)


Magenta (80%)

Yellow (11%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 102.516, 306.483 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, 102.516, 306.483 by changing the saturation by 10% instead.


 38, 102.516,
306.483


 38, 102.516,
306.483


 100, 102.516,
306.483


 28, 102.516,
306.483


 58, 102.516,
306.483

 18, 102.516,
306.483


 68, 102.516,
306.483

 8, 102.516,
306.483

 78, 102.516,
306.483

 0, 102.516,
306.483

 88, 102.516,
306.483

 98, 102.516,
306.483

■ 38, 102.516,
306.483

■ 38, 102.516,
306.483

■ 34, 112.809,
307.176

■ 44, 89.792,
305.447

■ 31, 119.280,
307.336

■ 50, 75.983,
304.270

■ 30, 120.538,
307.356

■ 57, 61.934,
303.090

■ 64, 48.085,
301.984

■ 71, 34.629,
300.986

■ 78, 21.639,
300.104

■ 85, 9.127, 299.333

■ 92, 2.920, 118.677

■ 99, 14.357,
117.766

Harmonies

Complementary

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



38, 102.516, 306.483



85, 82.482, 114.845

Rectangle

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



38, 102.516, 306.483



38, 102.516, 356.483



38, 102.516, 126.483



38, 102.516, 176.483

Sweetspot

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



38, 102.517, 306.484



82, 31.528, 300.585



71, 37.500, 231.490



41, 21.972, 300.916



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, 102.517, 306.484



36, 127.985, 307.336



49, 98.035, 318.738



44, 6.967, 299.473



23, 100.541, 307.469



3, 34.179, 302.053

Inverse Universe

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



54, 83.918, 337.120



58, 96.869, 338.879



81, 94.346, 132.653



45, 7.119, 331.867



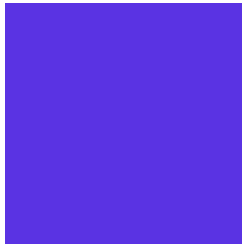
40, 74.559, 339.468



8, 32.070, 337.376

Previews

White Background



This preview shows how the CIELCh color 38, 102.516, 306.483 looks on a white background.

Color Contrast Check

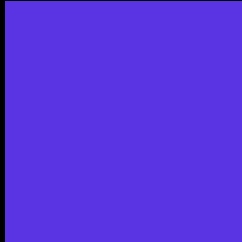
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102.516, 306.483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

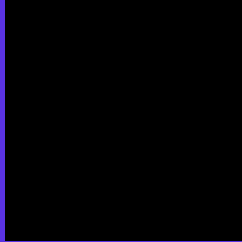
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 102.516, 306.483

Background



This preview shows how black text looks on a background with the CIELCh color 38, 102.516, 306.483.



This preview shows how white text looks on a background with the CIELCh color 38, 102.516, 306.483.

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, 102.516, 306.483

Protanopia

38, 58.569, 286.347

Deuteranopia

38, 40.708, 272.487



Tritanopia
38, 20.928, 210.792

Trichromacy



Original Color
38, 102.516, 306.483

Protanomaly
36, 76.367, 296.029

Deuteranomaly
36, 64.087, 292.349

Tritanomaly
36, 43.011, 286.790

Monochromacy



Original Color
38, 102.516, 306.483

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 40.337, 303.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 102.516, 306.483 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(90, 51, 227)` looks like.

```
.text, #text, p{  
    color:rgb(90, 51, 227)  
}
```

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(90, 51, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 51, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 102.516, 306.483 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(90, 51, 227) }
```

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

```
.border{ border-color:rgb(90, 51, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 51, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 51, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 51, 227);  
box-shadow:4px 4px 4px 4px rgb(90, 51,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 102.516, 306.483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 51, 227) }
```

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

```
.background{ background-color: rgb(90, 51,  
227) }
```

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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