

Converting Colors

CIELCh(38, 52.799, 301.625)

Have a look what the booklet for
CIELCh(38, 52.799, 301.625)
contains.

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Color

CIELCh(38, 52.796, 301.654)

Conversions

Conversions Part 1

Format	Color
Hex	5A4DA3
RGB	90, 77, 163
RGB Percent	35%, 30%, 64%
CMY	0.6478, 0.6987, 0.3615
CMYK	0.45, 0.53, 0.00, 0.36
HSL	249°, 36%, 47%
HSV	249°, 53%, 64%
XYZ	13.4363, 10.0881, 35.8041
YIQ	90.6910, -19.8580, 29.5020

Conversions

Conversions Part 2

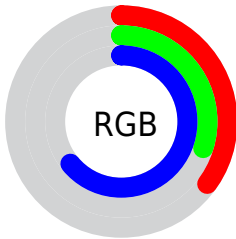
Format	Color
R_{YB}	90, 77, 163
Decimal	5918115
CIE _{Lab}	38.00, 27.71, -44.94
CIE _{LCh}	38, 52.796, 301.654
Yxy	10.0881, 0.2265, 0.1700
Android (android.graphics.Color)	4284108195 (0xFF5A4DA3)
YUV	90.6910, 35.6483, -0.6060
Hunter-Lab	31.7617, 19.9285, -44.6029

Details

The CIELCh color **38, 52.796, 301.654** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **64, 46.052, 112.352**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 53.234, 301.657**, and **18, 52.653, 301.807** is the 20% darker color. If you saturate the color by 10%, you get **33, 63.652, 303.087**, and if you desaturate by 10%, it is **43, 42.058, 300.310**.

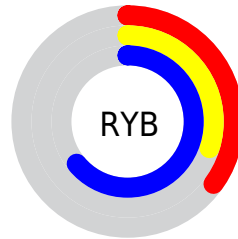
Distribution



Red (35%)

Green (30%)

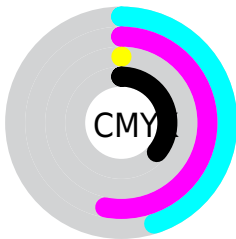
Blue (64%)



Red (35%)

Yellow (30%)

Blue (64%)

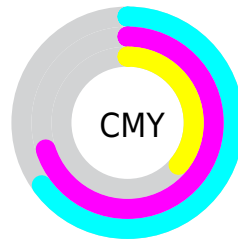


Cyan (45%)

Magenta (53%)

Yellow (0%)

Black (36%)



Cyan (65%)


Magenta (70%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 52.796, 301.654 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, 52.796, 301.654 by changing the saturation by 10% instead.


 38, 52.796,
301.654

 38, 52.796,
301.654

 100, 52.796,
301.654


 28, 52.796,
301.654

 58, 52.796,
301.654

 18, 52.796,
301.654

 68, 52.796,
301.654

 8, 52.796, 301.654

 78, 52.796,
301.654

 0, 52.796, 301.654

 88, 52.796,
301.654

 98, 52.796,
301.654

■ 38, 52.796,
301.654

■ 38, 52.796,
301.654

■ 33, 63.652,
303.087

■ 43, 42.058,
300.310

■ 28, 74.208,
304.505

■ 49, 31.625,
299.098

■ 24, 83.659,
305.733

■ 54, 21.561,
298.030

■ 21, 90.804,
306.531

■ 60, 11.876,
297.102

■ 19, 94.666,
306.947

■ 65, 2.558, 296.302

■ 71, 6.412, 115.609

■ 76, 15.056,
115.016

■ 82, 23.397,
114.506

■ 87, 31.453,
114.067

Harmonies

Complementary

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



38, 52.796, 301.654



64, 46.052, 112.352

Rectangle

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



38, 52.796, 301.654



38, 52.796, 351.654



38, 52.796, 121.654



38, 52.796, 171.654

Sweetspot

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



38, 52.795, 301.655



74, 18.494, 297.411



58, 23.539, 215.839



38, 12.633, 297.591



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38, 52.795, 301.655



43, 79.157, 303.285



43, 54.079, 316.322



32, 5.222, 296.805



17, 87.035, 307.001



1, 7.992, 295.541

Inverse Universe

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



46, 51.322, 332.096



55, 73.110, 332.814



61, 51.615, 131.625



32, 5.647, 329.389



33, 67.707, 335.161



1, 8.493, 330.214

Previews

White Background



This preview shows how the CIELCh color 38, 52.796, 301.654 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, 52.796, 301.654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

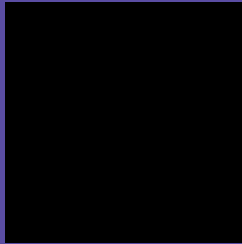
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 52.796, 301.654

Background



This preview shows how black text looks on a background with the CIELCh color 38, 52.796, 301.654.



This preview shows how white text looks on a background with the CIELCh color 38, 52.796, 301.654.

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

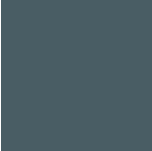
38, 52.796, 301.654

Protanopia

38, 52.897, 286.738

Deuteranopia

38, 43.540, 277.567



Tritanopia
38, 8.696, 228.399

Trichromacy



Original Color
38, 52.796, 301.654

Protanomaly
38, 52.758, 291.064

Deuteranomaly
38, 46.426, 285.473

Tritanomaly
38, 22.264, 286.425

Monochromacy



Original Color
38, 52.796, 301.654

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 19.233, 298.680

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 52.796, 301.654 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, 77, 163)` looks like.

```
.text, #text, p{  
    color:rgb(90, 77, 163)  
}
```

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, 77, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 77, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 52.796, 301.654 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, 77, 163) }
```

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

```
.border{ border-color:rgb(90, 77, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 77, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 77, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 77, 163);  
box-shadow:4px 4px 4px 4px rgb(90, 77,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 52.796, 301.654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 77, 163) }
```

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

```
.background{ background-color: rgb(90, 77,  
163) }
```

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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