

Converting Colors

CIELCh(38, 88.681, 321.120)

Have a look what the booklet for
CIELCh(38, 88.681, 321.120)
contains.

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Color

CIELCh(38, 88.515, 321.285)

Conversions

Conversions Part 1

Format	Color
Hex	9510B5
RGB	149, 16, 181
RGB Percent	58%, 6%, 71%
CMY	0.4158, 0.9376, 0.2904
CMYK	0.18, 0.91, 0.00, 0.29
HSL	288°, 84%, 39%
HSV	288°, 91%, 71%
XYZ	20.9069, 10.0881, 44.5391
YIQ	74.5770, 26.3030, 79.5110

Conversions

Conversions Part 2

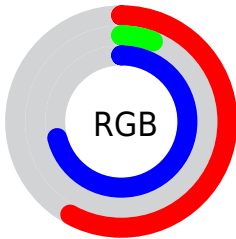
Format	Color
RYB	149, 16, 181
Decimal	9769141
CIELab	38.00, 69.07, -55.36
CIElCh	38, 88.515, 321.285
Yxy	10.0881, 0.2768, 0.1336
Android (android.graphics.Color)	4287959221 (0xFF9510B5)
YUV	74.5770, 52.4665, 65.2690
Hunter-Lab	31.7617, 61.9133, -60.9086

Details

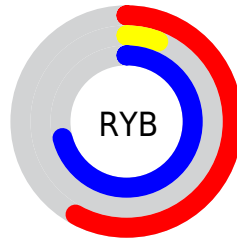
The CIELCh color **38, 88.515, 321.285** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **65, 88.099, 134.490**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 88.694, 321.213**, and **23, 71.007, 318.426** is the 20% darker color. If you saturate the color by 10%, you get **37, 90.948, 320.930**, and if you desaturate by 10%, it is **40, 83.956, 321.524**.

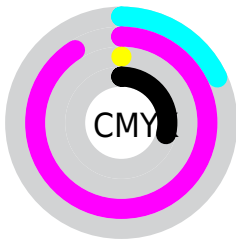
Distribution



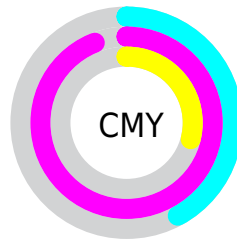
- Red (58%)
- Green (6%)
- Blue (71%)



- Red (58%)
- Yellow (6%)
- Blue (71%)



- Cyan (18%)
- Magenta (91%)
- Yellow (0%)
- Black (29%)




- Cyan (42%)
- Magenta (94%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 88.515, 321.285 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, 88.515, 321.285 by changing the saturation by 10% instead.


 38, 88.515,
321.285


 38, 88.515,
321.285

 100, 88.515,
321.285

 28, 88.515,
321.285

 58, 88.515,
321.285

 18, 88.515,
321.285

 68, 88.515,
321.285

 8, 88.515, 321.285

 78, 88.515,
321.285

 0, 88.515, 321.285

 88, 88.515,
321.285

 98, 88.515,
321.285

38, 88.515,
321.285

38, 88.515,
321.285

37, 90.948,
320.930

40, 83.956,
321.524

43, 77.120,
321.551

46, 68.400,
321.408

50, 58.314,
321.136

54, 47.355,
320.776

58, 35.927,
320.363

63, 24.329,
319.923

68, 12.764,

319.470

■ 73, 1.364, 318.904

Harmonies

Complementary

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



38, 88.515, 321.285



65, 88.099, 134.490

Rectangle

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



38, 88.515, 321.285



38, 88.515, 11.285



38, 88.515, 141.285



38, 88.515, 191.285

Sweetspot

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



38, 88.514, 321.285



77, 38.362, 320.200



28, 82.677, 300.146



38, 25.847, 320.346



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



38, 88.514, 321.285



48, 110.518, 320.816



41, 70.676, 343.254



35, 6.371, 319.383



31, 80.328, 321.018



2, 14.962, 316.536

Inverse Universe

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



39, 67.599, 25.368



49, 88.314, 30.799



65, 77.635, 142.818



35, 4.035, 4.505



31, 63.240, 29.034



2, 9.397, 7.155

Previews

White Background



This preview shows how the CIELCh color 38, 88.515, 321.285 looks on a white background.

Color Contrast Check

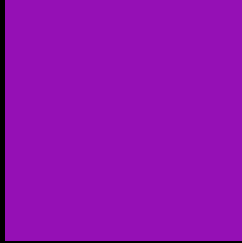
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.515, 321.285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

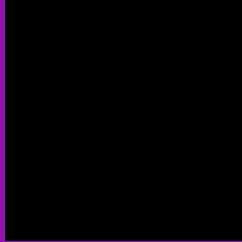
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 88.515, 321.285

Background



This preview shows how black text looks on a background with the CIELCh color 38, 88.515, 321.285.



This preview shows how white text looks on a background with the CIELCh color 38, 88.515, 321.285.

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, 88.515, 321.285

Protanopia

39, 59.561, 286.372

Deuteranopia

39, 44.394, 275.717



Tritanopia
38, 28.747, 18.318

Trichromacy



Original Color
38, 88.515, 321.285

Protanomaly
33, 75.241, 299.875

Deuteranomaly
33, 65.331, 297.960

Tritanomaly
36, 48.089, 338.500

Monochromacy



Original Color
38, 88.515, 321.285

Achromatopsia
32, 0.005, 296.813

Achromatomaly
31, 41.078, 320.924

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 88.515, 321.285 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(149, 16, 181)` looks like.

```
.text, #text, p{  
    color:rgb(149, 16, 181)  
}
```

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(149, 16, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 16, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 88.515, 321.285 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(149, 16, 181) }
```

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

```
.border{ border-color:rgb(149, 16, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 16, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 16, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 16, 181);  
box-shadow:4px 4px 4px 4px rgb(149, 16,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 88.515, 321.285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 16, 181) }
```

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

```
.background{ background-color: rgb(149, 16,  
181) }
```

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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