

Converting Colors

CIELCh(38, 89.358, 323.129)

Have a look what the booklet for
CIELCh(38, 89.358, 323.129)
contains.

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Color

CIELCh(38, 89.160, 323.067)

Conversions

Conversions Part 1

Format	Color
Hex	9A00B2
RGB	154, 0, 178
RGB Percent	60%, 0%, 70%
CMY	0.3960, 0.9997, 0.3019
CMYK	0.13, 1.00, 0.00, 0.30
HSL	292°, 100%, 35%
HSV	292°, 100%, 70%
XYZ	21.3682, 10.0881, 42.9502
YIQ	66.3380, 34.6460, 88.0060

Conversions

Conversions Part 2

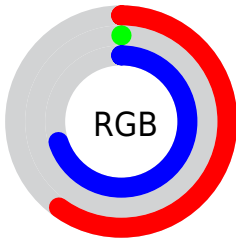
Format	Color
RYB	154, 0, 178
Decimal	10092722
CIELab	38.00, 71.27, -53.57
CIElCh	38, 89.160, 323.067
Yxy	10.0881, 0.2872, 0.1356
Android (android.graphics.Color)	4288282802 (0xFF9A00B2)
YUV	66.3380, 55.0494, 76.8796
Hunter-Lab	31.7617, 64.5058, -57.9425

Details

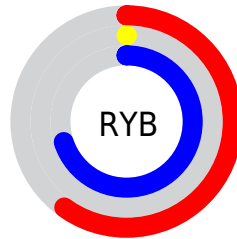
The CIELCh color **38, 89.160, 323.067** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **63, 90.547, 135.283**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 89.414, 322.907**, and **24, 69.157, 320.339** is the 20% darker color. If you saturate the color by 10%, you get **38, 89.167, 323.066**, and if you desaturate by 10%, it is **39, 86.552, 323.340**.

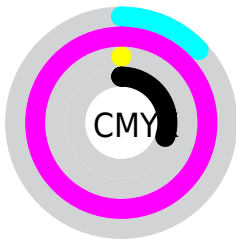
Distribution



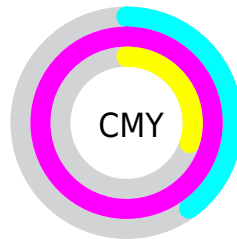
- Red (60%)
- Green (0%)
- Blue (70%)



- Red (60%)
- Yellow (0%)
- Blue (70%)



- Cyan (13%)
- Magenta (100%)
- Yellow (0%)
- Black (30%)




- Cyan (40%)
- Magenta (100%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 89.160, 323.067 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, 89.160, 323.067 by changing the saturation by 10% instead.


 38, 89.160,
323.067


 38, 89.160,
323.067

 100, 89.160,
323.067


 28, 89.160,
323.067

 58, 89.160,
323.067


 18, 89.160,
323.067

 68, 89.160,
323.067

 8, 89.160, 323.067

 78, 89.160,
323.067

 0, 89.160, 323.067

 88, 89.160,
323.067

 98, 89.160,
323.067

■ 38, 89.160,
323.067

■ 38, 89.160,
323.067

■ 38, 89.167,
323.066

■ 39, 86.552,
323.340

■ 41, 82.035,
323.463

■ 43, 75.307,
323.413

■ 46, 66.723,
323.219

■ 50, 56.760,
322.915

■ 54, 45.892,
322.532

■ 58, 34.520,
322.099

■ 63, 22.945,

321.639

■ 68, 11.381,
321.164

Harmonies

Complementary

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



38, 89.160, 323.067



63, 90.547, 135.283

Rectangle

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



38, 89.160, 323.067



38, 89.160, 13.067



38, 89.160, 143.067



38, 89.160, 193.067

Sweetspot

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



38, 89.159, 323.067



74, 42.872, 322.124



24, 93.620, 303.818



37, 29.465, 322.308



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, 89.159, 323.067



50, 108.757, 322.980



39, 68.454, 348.652



35, 6.480, 321.133



32, 79.732, 323.125



2, 15.301, 318.921

Inverse Universe

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



37, 73.959, 33.738



49, 91.079, 34.637



64, 77.888, 142.850



35, 3.966, 9.078



31, 65.722, 33.117



2, 9.279, 10.810

Previews

White Background



This preview shows how the CIELCh color 38, 89.160, 323.067 looks on a white background.

Color Contrast Check

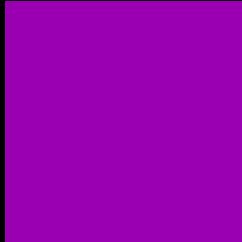
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.160, 323.067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

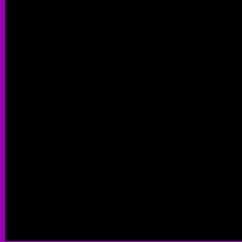
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 89.160, 323.067

Background



This preview shows how black text looks on a background with the CIELCh color 38, 89.160, 323.067.



This preview shows how white text looks on a background with the CIELCh color 38, 89.160, 323.067.

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, 89.160, 323.067

Protanopia

39, 60.055, 286.384

Deuteranopia

39, 45.445, 276.329



Tritanopia
39, 32.471, 19.761

Trichromacy



Original Color
38, 89.160, 323.067



Protanomaly
32, 78.342, 301.363



Deuteranomaly
32, 68.581, 299.831



Tritanomaly
36, 51.606, 341.963

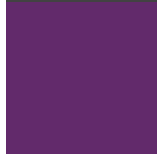
Monochromacy



Original Color
38, 89.160, 323.067



Achromatopsia
28, 0.004, 296.813



Achromatomaly
28, 44.769, 323.054

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 89.160, 323.067 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(154, 0, 178)` looks like.

```
.text, #text, p{  
    color:rgb(154, 0, 178)  
}
```

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(154, 0, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 0, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 89.160, 323.067 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(154, 0, 178) }
```

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

```
.border{ border-color:rgb(154, 0, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 0, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 0, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 0, 178);  
box-shadow:4px 4px 4px 4px rgb(154, 0,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 89.160, 323.067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 0, 178) }
```

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

```
.background{ background-color: rgb(154, 0,  
178) }
```

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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