

Converting Colors

CIELCh(38, 78.808, 328.929)

Have a look what the booklet for
CIELCh(38, 78.808, 328.929)
contains.

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Color

CIELCh(38, 78.948, 328.934)

Conversions

Conversions Part 1

Format	Color
Hex	A00A9D
RGB	160, 10, 157
RGB Percent	63%, 4%, 62%
CMY	0.3737, 0.9600, 0.3854
CMYK	0.00, 0.94, 0.02, 0.37
HSL	301°, 88%, 33%
HSV	301°, 94%, 63%
XYZ	20.6090, 10.0881, 32.6327
YIQ	71.6080, 42.2130, 77.5170

Conversions

Conversions Part 2

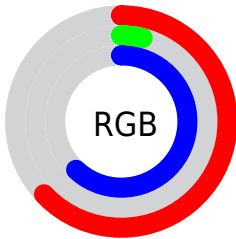
Format	Color
RYB	160, 10, 157
Decimal	10488477
CIELab	38.00, 67.62, -40.74
CIElCh	38, 78.948, 328.934
Yxy	10.0881, 0.3254, 0.1593
Android (android.graphics.Color)	4288678557 (0xFFA00A9D)
YUV	71.6080, 42.0983, 77.5198
Hunter-Lab	31.7617, 60.2389, -38.6828

Details

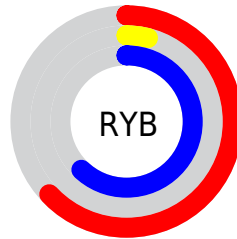
The CIELCh color **38, 78.948, 328.934** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **57, 82.411, 136.505**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 78.904, 328.911**, and **24, 60.210, 327.875** is the 20% darker color. If you saturate the color by 10%, you get **38, 80.202, 329.031**, and if you desaturate by 10%, it is **39, 76.004, 328.747**.

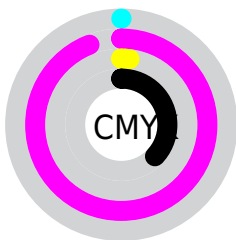
Distribution



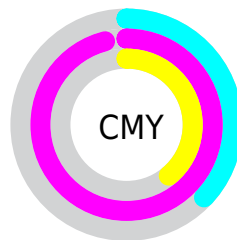
- Red (63%)
- Green (4%)
- Blue (62%)



- Red (63%)
- Yellow (4%)
- Blue (62%)



- Cyan (0%)
- Magenta (94%)
- Yellow (2%)
- Black (37%)




- Cyan (37%)
- Magenta (96%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 78.948, 328.934 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, 78.948, 328.934 by changing the saturation by 10% instead.


 38, 78.948,
328.934


 38, 78.948,
328.934

 100, 78.948,
328.934


 28, 78.948,
328.934

 58, 78.948,
328.934

 18, 78.948,
328.934

 68, 78.948,
328.934

 8, 78.948, 328.934

 78, 78.948,
328.934

 0, 78.948, 328.934

 88, 78.948,
328.934

 98, 78.948,
328.934

■ 38, 78.948,
328.934

■ 38, 78.948,
328.934

■ 38, 80.202,
329.031

■ 39, 76.004,
328.747

■ 40, 71.064,
328.484

■ 43, 64.254,
328.146

■ 45, 55.897,
327.739

■ 49, 46.394,
327.278

■ 52, 36.141,
326.775

■ 56, 25.474,
326.244

■ 60, 14.656,

325.698

■ 64, 3.873, 325.114

Harmonies

Complementary

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



38, 78.948, 328.934



57, 82.411, 136.505

Rectangle

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



38, 78.948, 328.934



38, 78.948, 18.934



38, 78.948, 148.934



38, 78.948, 198.934

Sweetspot

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



38, 78.946, 328.934



69, 37.210, 326.507



19, 90.876, 305.686



34, 25.846, 326.722



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



38, 78.946, 328.934



49, 97.055, 329.046



35, 58.658, 0.608



31, 6.022, 325.453



33, 73.908, 329.023



1, 7.811, 325.105

Inverse Universe

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



38, 78.946, 328.934



49, 97.055, 329.046



58, 58.924, 151.623



31, 6.022, 325.453



33, 73.908, 329.023



1, 7.811, 325.105

Previews

White Background



This preview shows how the CIELCh color 38, 78.948, 328.934 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, 78.948, 328.934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

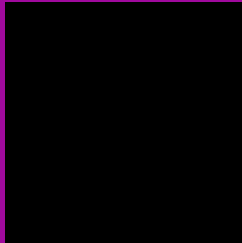
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 78.948, 328.934

Background



This preview shows how black text looks on a background with the CIELCh color 38, 78.948, 328.934.



This preview shows how white text looks on a background with the CIELCh color 38, 78.948, 328.934.

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, 79.081, 328.939

Protanopia

39, 60.688, 286.864

Deuteranopia

39, 34.405, 279.003



Tritanopia
38, 40.746, 23.575

Trichromacy



Original Color
38, 79.081, 328.939



Protanomaly
32, 71.931, 300.464



Deuteranomaly
34, 55.855, 308.248



Tritanomaly
37, 50.901, 352.496

Monochromacy



Original Color
38, 79.081, 328.939



Achromatopsia
31, 0.005, 296.813



Achromatomaly
30, 38.465, 327.525

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 78.948, 328.934 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(160, 10, 157)` looks like.

```
.text, #text, p{  
    color:rgb(160, 10, 157)  
}
```

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(160, 10, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 10, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 78.948, 328.934 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(160, 10, 157) }
```

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

```
.border{ border-color:rgb(160, 10, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 10, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 10, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 10, 157);  
box-shadow:4px 4px 4px 4px rgb(160, 10,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 78.948, 328.934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 10, 157) }
```

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

```
.background{ background-color: rgb(160, 10,  
157) }
```

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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