

Converting Colors

CIELCh(38, 80.941, 328.197)

Have a look what the booklet for
CIELCh(38, 80.941, 328.197)
contains.

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Color

CIELCh(38, 81.040, 328.211)

Conversions

Conversions Part 1

Format	Color
Hex	A004A0
RGB	160, 4, 160
RGB Percent	63%, 2%, 63%
CMY	0.3728, 0.9848, 0.3727
CMYK	0.00, 0.98, 0.00, 0.37
HSL	300°, 95%, 32%
HSV	300°, 98%, 63%
XYZ	20.8691, 10.0881, 34.0815
YIQ	68.4280, 42.9000, 81.5880

Conversions

Conversions Part 2

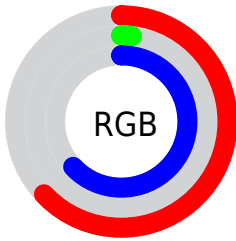
Format	Color
RYB	160, 4, 160
Decimal	10486944
CIELab	38.00, 68.88, -42.69
CIELCh	38, 81.040, 328.211
Yxy	10.0881, 0.3209, 0.1551
Android (android.graphics.Color)	4288677024 (0xFFA004A0)
YUV	68.4280, 45.1450, 80.3086
Hunter-Lab	31.7617, 61.7011, -41.3872

Details

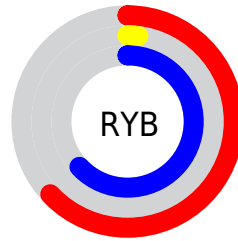
The CIELCh color **38, 81.040, 328.211** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **57, 83.895, 136.130**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 81.017, 328.218**, and **24, 61.503, 326.845** is the 20% darker color. If you saturate the color by 10%, you get **38, 81.543, 328.232**, and if you desaturate by 10%, it is **39, 78.613, 328.109**.

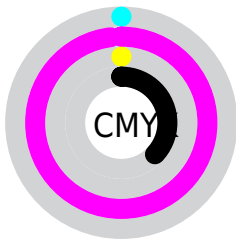
Distribution



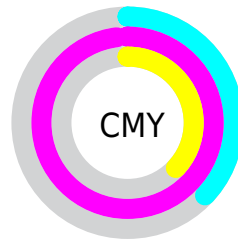
- Red (63%)
- Green (2%)
- Blue (63%)



- Red (63%)
- Yellow (2%)
- Blue (63%)



- Cyan (0%)
- Magenta (98%)
- Yellow (0%)
- Black (37%)





- Cyan (37%)
- Magenta (98%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 81.040, 328.211 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, 81.040, 328.211 by changing the saturation by 10% instead.


 38, 81.040,
328.211


 38, 81.040,
328.211

 100, 81.040,
328.211


 28, 81.040,
328.211

 58, 81.040,
328.211


 18, 81.040,
328.211


 68, 81.040,
328.211

 8, 81.040, 328.211

 78, 81.040,
328.211

 0, 81.040, 328.211

 88, 81.040,
328.211

 98, 81.040,
328.211

■ 38, 81.040,
328.211

■ 38, 81.040,
328.211

■ 38, 81.543,
328.232

■ 39, 78.613,
328.109

■ 40, 74.355,
327.928

■ 42, 68.145,
327.658

■ 44, 60.235,
327.308

■ 47, 51.005,
326.888

■ 51, 40.862,
326.416

■ 55, 30.172,
325.906

■ 58, 19.230,

325.373

■ 63, 8.254, 324.822

Harmonies

Complementary

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



38, 81.040, 328.211



57, 83.895, 136.130

Rectangle

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



38, 81.040, 328.211



38, 81.040, 18.211



38, 81.040, 148.211



38, 81.040, 198.211

Sweetspot

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



38, 81.038, 328.211



69, 39.434, 326.009



19, 92.336, 305.799



34, 26.946, 326.215



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, 81.038, 328.211



50, 99.504, 328.232



34, 59.713, 359.090



31, 6.104, 324.915



34, 75.047, 328.232



1, 7.944, 324.438

Inverse Universe

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



33, 72.184, 39.064



44, 90.040, 40.000



58, 62.593, 149.087



31, 3.535, 19.899



29, 67.092, 39.161



1, 4.473, 19.404

Previews

White Background



This preview shows how the CIELCh color 38, 81.040, 328.211 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, 81.040, 328.211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

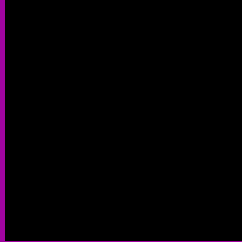
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 81.040, 328.211

Background



This preview shows how black text looks on a background with the CIELCh color 38, 81.040, 328.211.



This preview shows how white text looks on a background with the CIELCh color 38, 81.040, 328.211.

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, 81.040, 328.211

Protanopia

39, 60.055, 286.384

Deuteranopia

39, 36.247, 279.270



Tritanopia
39, 40.228, 23.369

Trichromacy



Original Color
38, 81.040, 328.211



Protanomaly
32, 73.771, 301.045



Deuteranomaly
34, 58.822, 307.864



Tritanomaly
37, 52.090, 350.936

Monochromacy



Original Color
38, 81.040, 328.211



Achromatopsia
29, 0.005, 296.813



Achromatomaly
28, 40.294, 327.121

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 81.040, 328.211 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, 4, 160)` looks like.

```
.text, #text, p{  
    color:rgb(160, 4, 160)  
}
```

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, 4, 160) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 38, 81.040, 328.211 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, 4, 160) }
```

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

```
.border{ border-color:rgb(160, 4, 160) }
```

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

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

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

Background

The CSS property to change the background color of an element to CIELCh 38, 81.040, 328.211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 4, 160) }
```

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

```
.background{ background-color: rgb(160, 4,  
160) }
```

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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