

Converting Colors

CIELCh(38, 78.010, 332.169)

Have a look what the booklet for
CIELCh(38, 78.010, 332.169)
contains.

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Color

CIELCh(38, 77.735, 332.180)

Conversions

Conversions Part 1

Format	Color
Hex	A40095
RGB	164, 0, 149
RGB Percent	64%, 0%, 58%
CMY	0.3552, 1.0000, 0.4139
CMYK	0.00, 1.00, 0.09, 0.36
HSL	305°, 100%, 32%
HSV	305°, 100%, 64%
XYZ	20.8415, 10.0881, 29.4776
YIQ	66.0220, 49.9150, 81.1070

Conversions

Conversions Part 2

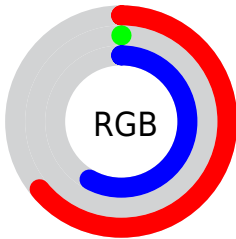
Format	Color
R_{YB}	164, 0, 149
Decimal	10748053
CIE _{Lab}	38.00, 68.75, -36.28
CIE _{LCh}	38, 77.735, 332.180
Yxy	10.0881, 0.3450, 0.1670
Android (android.graphics.Color)	4288938133 (0xFFA40095)
YUV	66.0220, 40.9082, 85.9267
Hunter-Lab	31.7617, 61.5457, -32.7930

Details

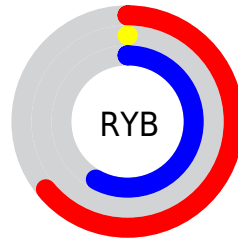
The CIELCh color **38, 77.735, 332.180** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **59, 84.426, 136.895**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 77.710, 332.198**, and **24, 57.285, 331.697** is the 20% darker color. If you saturate the color by 10%, you get **38, 77.532, 332.181**, and if you desaturate by 10%, it is **39, 75.832, 331.752**.

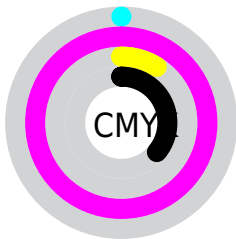
Distribution



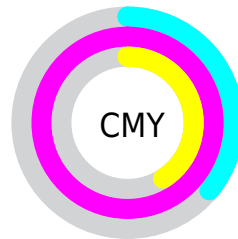
- Red (64%)
- Green (0%)
- Blue (58%)



- Red (64%)
- Yellow (0%)
- Blue (58%)



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)
- Black (36%)



- Cyan (36%)
- Magenta (100%)
- Yellow (41%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 77.735, 332.180 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, 77.735, 332.180 by changing the saturation by 10% instead.

 38, 77.735,
332.180


 38, 77.735,
332.180

 100, 77.735,
332.180


 28, 77.735,
332.180

 58, 77.735,
332.180


 18, 77.735,
332.180


 68, 77.735,
332.180

 8, 77.735, 332.180

 78, 77.735,
332.180

 0, 77.735, 332.180

 88, 77.735,
332.180

 98, 77.735,
332.180

■ 38, 77.735,
332.180

■ 38, 77.735,
332.180

■ 38, 77.532,
332.181

■ 39, 75.832,
331.752

■ 40, 72.487,
331.311

■ 42, 67.107,
330.845

■ 45, 59.925,
330.348

■ 48, 51.328,
329.820

■ 51, 41.737,
329.268

■ 55, 31.538,
328.699

■ 59, 21.042,

328.122

■ 63, 10.479,
327.540

Harmonies

Complementary

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



38, 77.735, 332.180



59, 84.426, 136.895

Rectangle

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



38, 77.735, 332.180



38, 77.735, 22.180



38, 77.735, 152.180



38, 77.735, 202.180

Sweetspot

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



38, 77.532, 332.181



70, 39.105, 328.731



19, 95.900, 306.579



35, 26.573, 328.959



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, 77.532, 332.181



50, 94.276, 332.262



35, 60.883, 9.559



32, 5.889, 327.496



33, 70.881, 332.137



1, 8.945, 327.819

Inverse Universe

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



38, 77.532, 332.181



50, 94.276, 332.262



59, 58.316, 153.966



32, 5.889, 327.496



33, 70.881, 332.137



1, 8.945, 327.819

Previews

White Background



This preview shows how the CIELCh color 38, 77.735, 332.180 looks on a white background.

Color Contrast Check

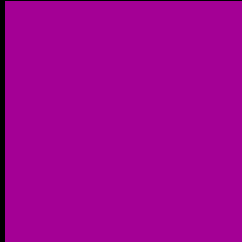
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.735, 332.180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

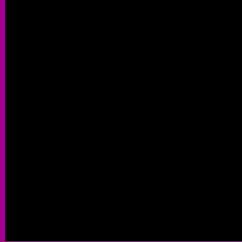
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 77.735, 332.180

Background



This preview shows how black text looks on a background with the CIELCh color 38, 77.735, 332.180.



This preview shows how white text looks on a background with the CIELCh color 38, 77.735, 332.180.

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, 77.357, 332.205

Protanopia

39, 61.180, 286.871

Deuteranopia

39, 29.825, 280.759



Tritanopia
39, 45.115, 25.588

Trichromacy



Original Color
38, 77.357, 332.205



Protanomaly
32, 73.229, 301.488



Deuteranomaly
34, 53.504, 313.018



Tritanomaly
37, 53.205, 356.574

Monochromacy



Original Color
38, 77.357, 332.205



Achromatopsia
28, 0.004, 296.813



Achromatomaly
28, 39.965, 330.459

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 77.735, 332.180 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(164, 0, 149)` looks like.

```
.text, #text, p{  
    color:rgb(164, 0, 149)  
}
```

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(164, 0, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 0, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 77.735, 332.180 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(164, 0, 149) }
```

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

```
.border{ border-color:rgb(164, 0, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 0, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 0, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 0, 149);  
box-shadow:4px 4px 4px 4px rgb(164, 0,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 77.735, 332.180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 0, 149) }
```

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

```
.background{ background-color: rgb(164, 0,  
149) }
```

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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