

Converting Colors

CIELCh(38, 71.745, 340.003)

Have a look what the booklet for
CIELCh(38, 71.745, 340.003)
contains.

CIELCh(38, 71.254, 340.290)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(38, 71.254, 340.290)

Conversions

Conversions Part 1

Format	Color
Hex	AA0082
RGB	170, 0, 130
RGB Percent	67%, 0%, 51%
CMY	0.3348, 1.0000, 0.4914
CMYK	0.00, 1.00, 0.24, 0.33
HSL	314°, 100%, 33%
HSV	314°, 100%, 67%
XYZ	20.4969, 10.0881, 21.8738
YIQ	65.6500, 59.5900, 76.4700

Conversions

Conversions Part 2

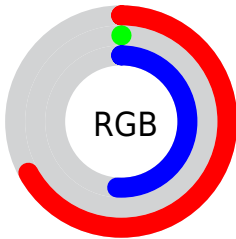
Format	Color
R_{YB}	170, 0, 130
Decimal	11141250
CIE _{Lab}	38.00, 67.08, -24.03
CIE _{LCh}	38, 71.254, 340.290
Yxy	10.0881, 0.3907, 0.1923
Android (android.graphics.Color)	4289331330 (0xFFAA0082)
YUV	65.6500, 31.7245, 91.5149
Hunter-Lab	31.7617, 59.6092, -18.5990

Details

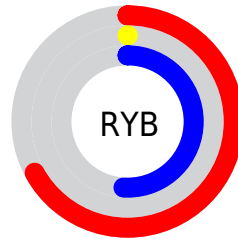
The CIELCh color **38, 71.254, 340.290** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **61, 81.206, 139.493**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 70.987, 340.342**, and **24, 51.323, 343.400** is the 20% darker color. If you saturate the color by 10%, you get **38, 71.131, 340.304**, and if you desaturate by 10%, it is **39, 70.047, 339.039**.

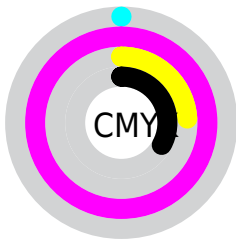
Distribution



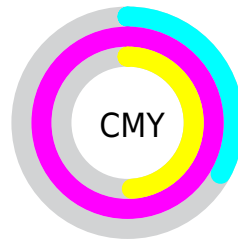
- Red (67%)
- Green (0%)
- Blue (51%)



- Red (67%)
- Yellow (0%)
- Blue (51%)



- Cyan (0%)
- Magenta (100%)
- Yellow (24%)
- Black (33%)





- Cyan (33%)
- Magenta (100%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 71.254, 340.290 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, 71.254, 340.290 by changing the saturation by 10% instead.


 38, 71.254,
340.290


 38, 71.254,
340.290

 100, 71.254,
340.290


 28, 71.254,
340.290

 58, 71.254,
340.290


 18, 71.254,
340.290


 68, 71.254,
340.290

 8, 71.254, 340.290

 78, 71.254,
340.290

 0, 71.254, 340.290

 88, 71.254,
340.290

 98, 71.254,
340.290

■ 38, 71.254,
340.290

■ 38, 71.254,
340.290

■ 38, 71.131,
340.304

■ 39, 70.047,
339.039

■ 40, 67.267,
337.924

■ 42, 62.423,
336.949

■ 45, 55.784,
336.072

■ 48, 47.765,
335.262

■ 52, 38.804,
334.500

■ 56, 29.287,
333.774

■ 60, 19.517,

333.079

■ 65, 9.708, 332.405

Harmonies

Complementary

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



38, 71.254, 340.290



61, 81.206, 139.493

Rectangle

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



38, 71.254, 340.290



38, 71.254, 30.290



38, 71.254, 160.290



38, 71.254, 210.290

Sweetspot

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



38, 71.131, 340.304



71, 36.086, 333.812



21, 96.624, 307.612



35, 24.539, 334.101



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



38, 71.131, 340.304



49, 85.889, 340.574



35, 65.574, 23.659



33, 5.456, 332.356



33, 64.432, 340.135



2, 9.422, 334.400

Inverse Universe

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



38, 71.131, 340.304



49, 85.889, 340.574



62, 49.788, 164.757



33, 5.456, 332.356



33, 64.432, 340.135



2, 9.422, 334.400

Previews

White Background



This preview shows how the CIELCh color 38, 71.254, 340.290 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 CIE LCh color 38, 71.254, 340.290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

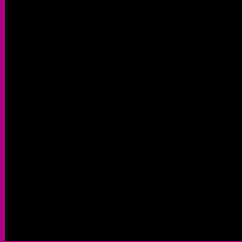
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 71.254, 340.290

Background



This preview shows how black text looks on a background with the CIELCh color 38, 71.254, 340.290.



This preview shows how white text looks on a background with the CIELCh color 38, 71.254, 340.290.

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, 71.254, 340.290

Protanopia
39, 58.081, 287.252

Deuteranopia
39, 18.425, 286.206



Tritanopia
39, 52.655, 27.961

Trichromacy



Original Color
38, 71.254, 340.290

Protanomaly
33, 66.509, 304.863

Deuteranomaly
34, 44.970, 323.390

Tritanomaly
37, 55.994, 5.288

Monochromacy



Original Color
38, 71.254, 340.290

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 37.334, 336.093

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 71.254, 340.290 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(170, 0, 130)` looks like.

```
.text, #text, p{  
    color:rgb(170, 0, 130)  
}
```

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(170, 0, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 0, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 71.254, 340.290 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(170, 0, 130) }
```

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

```
.border{ border-color:rgb(170, 0, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 0, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 0, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 0, 130);  
box-shadow:4px 4px 4px 4px rgb(170, 0,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 71.254, 340.290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 0, 130) }
```

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

```
.background{ background-color: rgb(170, 0,  
130) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor