

Converting Colors

CIELCh(29, 106.184, 333.058)

Have a look what the booklet for
CIELCh(29, 106.184, 333.058)
contains.

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Color

CIELCh(38, 75.888, 333.129)

Conversions

Conversions Part 1

Format	Color
Hex	A40492
RGB	164, 4, 146
RGB Percent	64%, 2%, 57%
CMY	0.3556, 0.9859, 0.4266
CMYK	0.00, 0.98, 0.11, 0.36
HSL	307°, 96%, 33%
HSV	307°, 98%, 64%
XYZ	20.6232, 10.0881, 28.1459
YIQ	68.0280, 49.7780, 78.0820

Conversions

Conversions Part 2

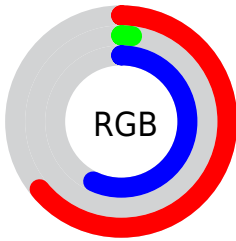
Format	Color
RYB	164, 4, 146
Decimal	10749074
CIELab	38.00, 67.69, -34.30
CIELCh	38, 75.888, 333.129
Yxy	10.0881, 0.3504, 0.1714
Android (android.graphics.Color)	4288939154 (0xFFA40492)
YUV	68.0280, 38.4402, 84.1674
Hunter-Lab	31.7617, 60.3192, -30.3071

Details

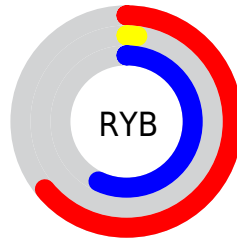
The CIELCh color **38, 75.888, 333.129** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **59, 83.135, 137.349**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 75.800, 333.329**, and **24, 56.100, 332.993** is the 20% darker color. If you saturate the color by 10%, you get **38, 76.208, 333.244**, and if you desaturate by 10%, it is **39, 74.081, 332.601**.

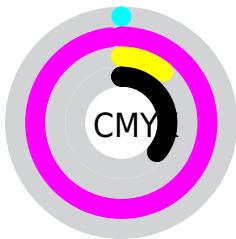
Distribution



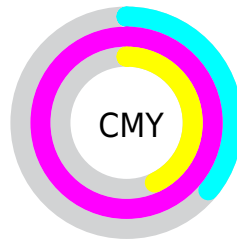
- Red (64%)
- Green (2%)
- Blue (57%)



- Red (64%)
- Yellow (2%)
- Blue (57%)



- Cyan (0%)
- Magenta (98%)
- Yellow (11%)
- Black (36%)




- Cyan (36%)
- Magenta (99%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 75.888, 333.129 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, 75.888, 333.129 by changing the saturation by 10% instead.


 38, 75.888,
333.129


 38, 75.888,
333.129

 100, 75.888,
333.129


 28, 75.888,
333.129

 58, 75.888,
333.129


 18, 75.888,
333.129


 68, 75.888,
333.129

 8, 75.888, 333.129

 78, 75.888,
333.129

 0, 75.888, 333.129

 88, 75.888,
333.129

 98, 75.888,
333.129

■ 38, 75.888,
333.129

■ 38, 75.888,
333.129

■ 38, 76.208,
333.244

■ 39, 74.081,
332.601

■ 40, 70.386,
332.078

■ 42, 64.692,
331.546

■ 45, 57.282,
330.998

■ 48, 48.560,
330.432

■ 52, 38.946,
329.851

■ 56, 28.809,
329.262

■ 60, 18.438,

328.670

■ 64, 8.044, 328.074

Harmonies

Complementary

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



38, 75.888, 333.129



59, 83.135, 137.349

Rectangle

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



38, 75.888, 333.129



38, 75.888, 23.129



38, 75.888, 153.129



38, 75.888, 203.129

Sweetspot

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



38, 75.886, 333.129



70, 37.259, 329.364



20, 94.570, 306.463



35, 25.472, 329.603



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, 75.886, 333.129



50, 92.673, 333.350



35, 60.468, 10.174



32, 5.801, 328.162



33, 69.709, 333.187



1, 8.777, 328.671

Inverse Universe

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



38, 75.886, 333.129



50, 92.673, 333.350



60, 56.464, 155.451



32, 5.801, 328.162



33, 69.709, 333.187



1, 8.777, 328.671

Previews

White Background



This preview shows how the CIELCh color 38, 75.888, 333.129 looks on a white background.

Color Contrast Check

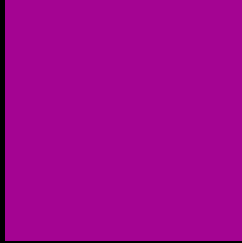
Large Text (above 18pt) WCAG AA ✓ Pass

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, 75.888, 333.129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

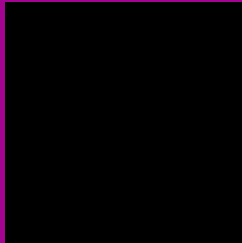
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 75.888, 333.129

Background



This preview shows how black text looks on a background with the CIELCh color 38, 75.888, 333.129.

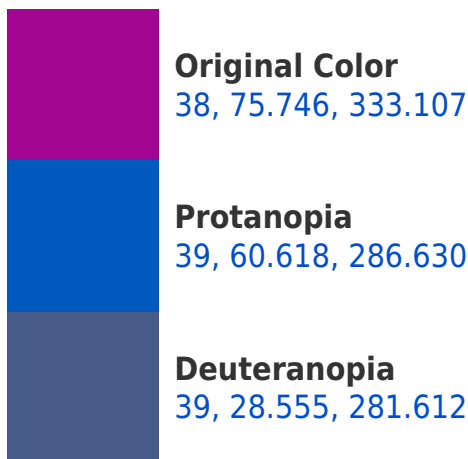


This preview shows how white text looks on a background with the CIELCh color 38, 75.888, 333.129.

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





Tritanopia
39, 45.632, 25.787

Trichromacy



Original Color
38, 75.746, 333.107



Protanomaly
32, 71.470, 301.143



Deuteranomaly
34, 51.905, 313.951

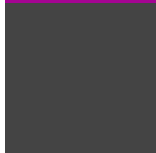


Tritanomaly
37, 52.941, 357.836

Monochromacy



Original Color
38, 75.746, 333.107



Achromatopsia
29, 0.005, 296.813



Achromatomaly
28, 38.277, 331.056

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 75.888, 333.129 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, 4, 146)` looks like.

```
.text, #text, p{  
    color:rgb(164, 4, 146)  
}
```

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, 4, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 4, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 75.888, 333.129 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, 4, 146) }
```

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

```
.border{ border-color:rgb(164, 4, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 4, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 4, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 4, 146);  
box-shadow:4px 4px 4px 4px rgb(164, 4,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 75.888, 333.129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 4, 146) }
```

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

```
.background{ background-color: rgb(164, 4,  
146) }
```

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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