

Converting Colors

CIELCh(38, 92.974, 312.069)

Have a look what the booklet for
CIELCh(38, 92.974, 312.069)
contains.

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Color

CIELCh(38, 92.988, 312.015)

Conversions

Conversions Part 1

Format	Color
Hex	782BCC
RGB	120, 43, 204
RGB Percent	47%, 17%, 80%
CMY	0.5292, 0.8312, 0.1998
CMYK	0.41, 0.79, 0.00, 0.20
HSL	269°, 65%, 48%
HSV	269°, 79%, 80%
XYZ	19.5202, 10.0881, 58.0695
YIQ	84.3770, -5.7890, 66.3950

Conversions

Conversions Part 2

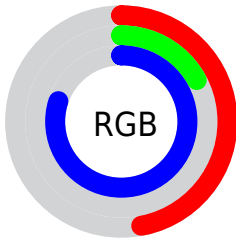
Format	Color
R_{YB}	120, 43, 204
Decimal	7875532
CIE _{Lab}	38.00, 62.24, -69.09
CIE _{LCh}	38, 92.988, 312.015
Yxy	10.0881, 0.2226, 0.1151
Android (android.graphics.Color)	4286065612 (0xFF782BCC)
YUV	84.3770, 58.9741, 31.2414
Hunter-Lab	31.7617, 54.1203, -86.1659

Details

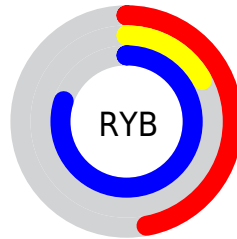
The CIELCh color **38, 92.988, 312.015** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **75, 81.895, 125.690**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 89.445, 312.639**, and **20, 84.788, 310.029** is the 20% darker color. If you saturate the color by 10%, you get **34, 100.668, 311.893**, and if you desaturate by 10%, it is **42, 82.972, 311.810**.

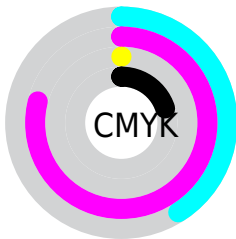
Distribution



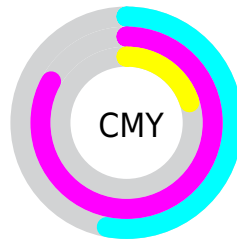
- Red (47%)
- Green (17%)
- Blue (80%)



- Red (47%)
- Yellow (17%)
- Blue (80%)



- Cyan (41%)
- Magenta (79%)
- Yellow (0%)
- Black (20%)





- Cyan (53%)
- Magenta (83%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 92.988, 312.015 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, 92.988, 312.015 by changing the saturation by 10% instead.


 38, 92.988,
312.015


 38, 92.988,
312.015

 100, 92.988,
312.015


 28, 92.988,
312.015

 58, 92.988,
312.015


 18, 92.988,
312.015


 68, 92.988,
312.015

 8, 92.988, 312.015

 78, 92.988,
312.015

 0, 92.988, 312.015

 88, 92.988,
312.015

 98, 92.988,
312.015

■ 38, 92.988,
312.015

■ 38, 92.988,
312.015

■ 34, 100.668,
311.893

■ 42, 82.972,
311.810

■ 32, 105.569,
311.392

■ 47, 71.497,
311.397

■ 32, 106.058,
311.339

■ 53, 59.283,
310.874

■ 59, 46.818,
310.308

■ 65, 34.402,
309.743

■ 71, 22.204,
309.204

■ 77, 10.311,
308.700

■ 83, 1.237, 128.350

■ 89, 12.427,
127.864

Harmonies

Complementary

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



38, 92.988, 312.015



75, 81.895, 125.690

Rectangle

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



38, 92.988, 312.015



38, 92.988, 2.015



38, 92.988, 132.015



38, 92.988, 182.015

Sweetspot

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



38, 92.988, 312.016



83, 34.029, 309.491



52, 46.024, 271.285



41, 23.486, 309.689



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



38, 92.988, 312.016



41, 123.475, 311.532



50, 90.632, 326.856



40, 6.571, 308.724



25, 90.729, 311.506



2, 24.443, 305.843

Inverse Universe

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



47, 67.375, 353.269



55, 84.572, 358.836



72, 92.518, 136.871



40, 5.390, 343.221



36, 61.700, 359.592



4, 20.146, 352.165

Previews

White Background



This preview shows how the CIELCh color 38, 92.988, 312.015 looks on a white background.

Color Contrast Check

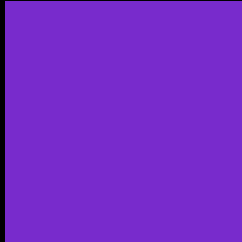
Large Text (above 18pt) WCAG AA ✓ Pass

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, 92.988, 312.015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

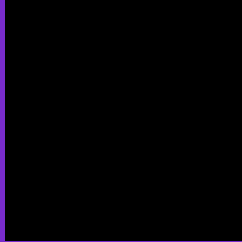
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 92.988, 312.015

Background



This preview shows how black text looks on a background with the CIELCh color 38, 92.988, 312.015.

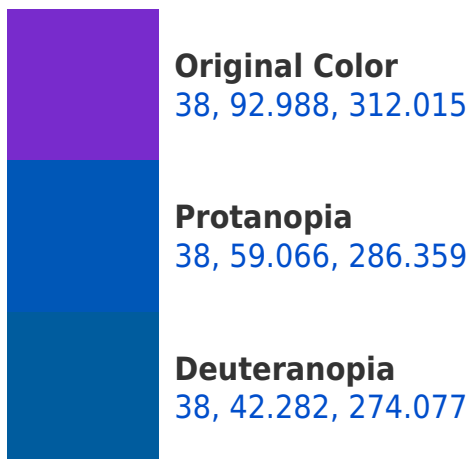


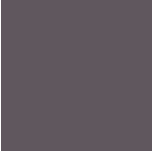
This preview shows how white text looks on a background with the CIELCh color 38, 92.988, 312.015.

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
38, 5.756, 331.836

Trichromacy



Original Color
38, 92.988, 312.015

Protanomaly
36, 73.558, 296.798

Deuteranomaly
35, 62.430, 293.837

Tritanomaly
36, 40.614, 312.610

Monochromacy



Original Color
38, 92.988, 312.015

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 38.073, 310.505

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 92.988, 312.015 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(120, 43, 204)` looks like.

```
.text, #text, p{  
    color:rgb(120, 43, 204)  
}
```

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(120, 43, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 43, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 92.988, 312.015 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(120, 43, 204) }
```

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

```
.border{ border-color:rgb(120, 43, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 43, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 43, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 43, 204);  
box-shadow:4px 4px 4px 4px rgb(120, 43,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 92.988, 312.015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 43, 204) }
```

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

```
.background{ background-color: rgb(120, 43,  
204) }
```

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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