

Converting Colors

CIELCh(38, 66.649, 308.183)

Have a look what the booklet for
CIELCh(38, 66.649, 308.183)
contains.

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Color

CIELCh(38, 66.649, 308.183)

Conversions

Conversions Part 1

Format	Color
Hex	6942AF
RGB	105, 66, 175
RGB Percent	41%, 26%, 69%
CMY	0.5864, 0.7396, 0.3119
CMYK	0.40, 0.62, 0.00, 0.31
HSL	261°, 45%, 47%
HSV	261°, 62%, 69%
XYZ	15.6346, 10.0881, 41.9170
YIQ	90.0870, -11.7450, 42.1670

Conversions

Conversions Part 2

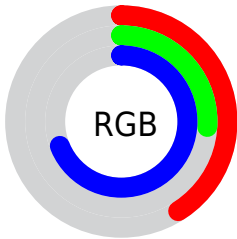
Format	Color
RYB	105, 66, 175
Decimal	6898351
CIELab	38.00, 41.20, -52.39
CIELCh	38, 66.649, 308.183
Yxy	10.0881, 0.2311, 0.1491
Android (android.graphics.Color)	4285088431 (0xFF6942AF)
YUV	90.0870, 41.8621, 13.0787
Hunter-Lab	31.7617, 32.2832, -56.0138

Details

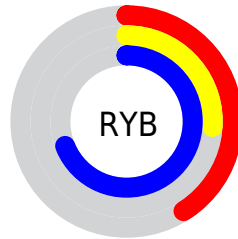
The CIELCh color **38, 66.649, 308.183** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **67, 58.550, 120.999**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 66.423, 308.306**, and **18, 66.879, 308.108** is the 20% darker color. If you saturate the color by 10%, you get **33, 77.086, 308.841**, and if you desaturate by 10%, it is **43, 55.625, 307.429**.

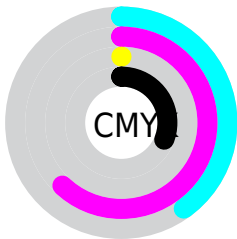
Distribution



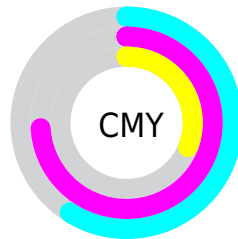
- Red (41%)
- Green (26%)
- Blue (69%)



- Red (41%)
- Yellow (26%)
- Blue (69%)



- Cyan (40%)
- Magenta (62%)
- Yellow (0%)
- Black (31%)





- Cyan (59%)
- Magenta (74%)
- Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 66.649, 308.183 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, 66.649, 308.183 by changing the saturation by 10% instead.


 38, 66.649,
308.183


 38, 66.649,
308.183

 100, 66.649,
308.183


 28, 66.649,
308.183

 58, 66.649,
308.183


 18, 66.649,
308.183


 68, 66.649,
308.183

 8, 66.649, 308.183

 78, 66.649,
308.183

 0, 66.649, 308.183

 88, 66.649,
308.183

 98, 66.649,
308.183

■ 38, 66.649,
308.183

■ 38, 66.649,
308.183

■ 33, 77.086,
308.841

■ 43, 55.625,
307.429

■ 29, 86.213,
309.280

■ 48, 44.474,
306.659

■ 26, 93.096,
309.345

■ 54, 33.453,
305.921

■ 24, 97.030,
309.200

■ 59, 22.691,
305.238

■ 65, 12.247,
304.620

■ 70, 2.141, 304.048

■ 76, 7.627, 123.604

■ 81, 17.068,
123.178

■ 87, 26.196,
122.811

Harmonies

Complementary

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



38, 66.649, 308.183



67, 58.550, 120.999

Rectangle

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



38, 66.649, 308.183



38, 66.649, 358.183



38, 66.649, 128.183



38, 66.649, 178.183

Sweetspot

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



38, 66.649, 308.183



77, 23.880, 305.056



54, 28.718, 248.676



39, 16.643, 305.237



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



38, 66.649, 308.183



42, 98.252, 309.057



45, 67.851, 322.797



34, 5.624, 304.455



20, 86.512, 309.326



1, 11.604, 301.503

Inverse Universe

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



45, 54.508, 342.373



54, 75.739, 344.397



64, 67.187, 136.266



34, 5.124, 337.362



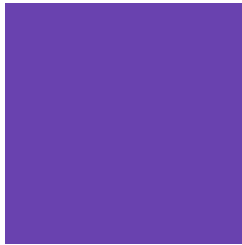
33, 60.362, 348.934



2, 10.034, 341.202

Previews

White Background



This preview shows how the CIELCh color 38, 66.649, 308.183 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 38, 66.649, 308.183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

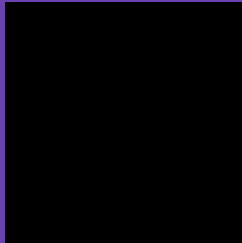
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 66.649, 308.183

Background



This preview shows how black text looks on a background with the CIELCh color 38, 66.649, 308.183.



This preview shows how white text looks on a background with the CIELCh color 38, 66.649, 308.183.

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, 66.649, 308.183

Protanopia

38, 59.701, 286.850

Deuteranopia

38, 43.894, 275.863



Tritanopia
38, 4.322, 285.439

Trichromacy



Original Color
38, 66.649, 308.183

Protanomaly
37, 62.116, 291.872

Deuteranomaly
36, 52.066, 287.558

Tritanomaly
37, 27.677, 304.001

Monochromacy



Original Color
38, 66.649, 308.183

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 25.307, 305.621

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 66.649, 308.183 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(105, 66, 175)` looks like.

```
.text, #text, p{  
    color:rgb(105, 66, 175)  
}
```

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(105, 66, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 66, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 66.649, 308.183 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(105, 66, 175) }
```

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

```
.border{ border-color:rgb(105, 66, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 66, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 66, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 66, 175); box-shadow:4px 4px 4px 4px rgb(105, 66, 175) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 66.649, 308.183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 66, 175) }
```

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

```
.background{ background-color: rgb(105, 66,  
175) }
```

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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