

Converting Colors

CIELCh(38, 61.800, 322.001)

Have a look what the booklet for
CIELCh(38, 61.800, 322.001)
contains.

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Color

CIELCh(38, 61.674, 322.026)

Conversions

Conversions Part 1

Format	Color
Hex	873798
RGB	135, 55, 152
RGB Percent	53%, 22%, 60%
CMY	0.4718, 0.7854, 0.4051
CMYK	0.11, 0.64, 0.00, 0.41
HSL	289°, 47%, 40%
HSV	289°, 64%, 59%
XYZ	16.9390, 10.0881, 30.6336
YIQ	89.9780, 16.5430, 47.1270

Conversions

Conversions Part 2

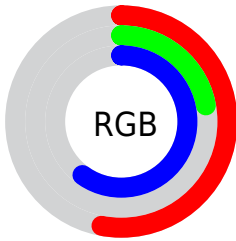
Format	Color
RYB	135, 55, 152
Decimal	8861592
CIELab	38.00, 48.62, -37.95
CIELCh	38, 61.674, 322.026
Yxy	10.0881, 0.2938, 0.1750
Android (android.graphics.Color)	4287051672 (0xFF873798)
YUV	89.9780, 30.5768, 39.4843
Hunter-Lab	31.7617, 39.6138, -34.9510

Details

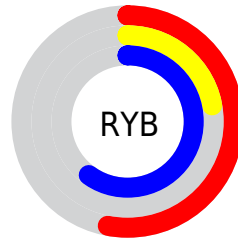
The CIELCh color **38, 61.674, 322.026** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **56, 60.798, 135.645**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 61.895, 322.101**, and **19, 59.017, 321.777** is the 20% darker color. If you saturate the color by 10%, you get **35, 68.893, 322.150**, and if you desaturate by 10%, it is **41, 53.175, 321.774**.

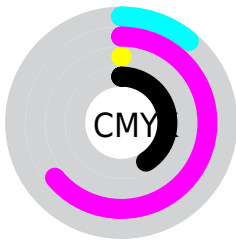
Distribution



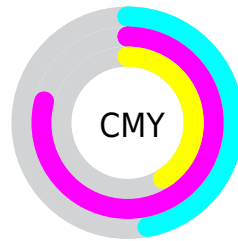
- Red (53%)
- Green (22%)
- Blue (60%)



- Red (53%)
- Yellow (22%)
- Blue (60%)



- Cyan (11%)
- Magenta (64%)
- Yellow (0%)
- Black (41%)




- Cyan (47%)
- Magenta (79%)
- Yellow (41%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 61.674, 322.026 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, 61.674, 322.026 by changing the saturation by 10% instead.


 38, 61.674,
322.026


 38, 61.674,
322.026

 100, 61.674,
322.026


 28, 61.674,
322.026

 58, 61.674,
322.026


 18, 61.674,
322.026


 68, 61.674,
322.026

 8, 61.674, 322.026

 78, 61.674,
322.026

 0, 61.674, 322.026

 88, 61.674,
322.026

 98, 61.674,
322.026

38, 61.674,
322.026

38, 61.674,
322.026

35, 68.893,
322.150

41, 53.175,
321.774

33, 74.421,
322.107

45, 43.825,
321.431

32, 77.976,
321.866

49, 33.984,
321.029

31, 79.627,
321.675

53, 23.927,
320.595

57, 13.850,
320.145

61, 3.881, 319.671

65, 5.897, 139.317

70, 15.439,
138.890

■ 74, 24.721,
138.500

Harmonies

Complementary

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



38, 61.674, 322.026



56, 60.798, 135.645

Rectangle

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



38, 61.674, 322.026



38, 61.674, 12.026



38, 61.674, 142.026



38, 61.674, 192.026

Sweetspot

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



38, 61.673, 322.026



69, 23.385, 320.391



33, 49.531, 292.806



35, 16.245, 320.509



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



38, 61.673, 322.026



45, 86.719, 322.153



39, 50.880, 340.293



30, 5.635, 319.930



28, 75.181, 321.718



1, 6.022, 319.143

Inverse Universe

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



38, 43.524, 15.340



44, 63.736, 20.429



56, 51.009, 148.402



30, 3.527, 5.904



29, 59.821, 29.945



1, 3.718, 5.376

Previews

White Background



This preview shows how the CIELCh color 38, 61.674, 322.026 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, 61.674, 322.026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

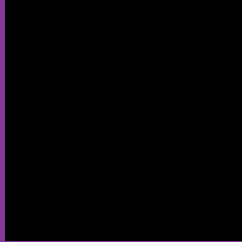
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 61.674, 322.026

Background



This preview shows how black text looks on a background with the CIELCh color 38, 61.674, 322.026.

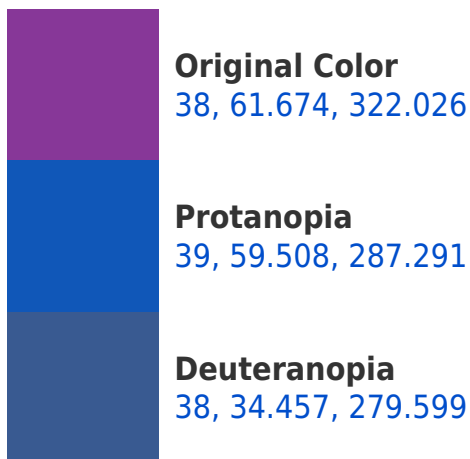


This preview shows how white text looks on a background with the CIELCh color 38, 61.674, 322.026.

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, 22.207, 15.240

Trichromacy



Original Color
38, 61.674, 322.026

Protanomaly
36, 59.742, 295.391

Deuteranomaly
37, 43.365, 299.852

Tritanomaly
38, 33.505, 340.673

Monochromacy



Original Color
38, 61.674, 322.026

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 24.425, 320.994

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 61.674, 322.026 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(135, 55, 152)` looks like.

```
.text, #text, p{  
    color:rgb(135, 55, 152)  
}
```

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(135, 55, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 55, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 61.674, 322.026 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(135, 55, 152) }
```

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

```
.border{ border-color:rgb(135, 55, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 55, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 55, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 55, 152);  
box-shadow:4px 4px 4px 4px rgb(135, 55,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 61.674, 322.026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 55, 152) }
```

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

```
.background{ background-color: rgb(135, 55,  
152) }
```

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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