

Converting Colors

CIELCh(38, 63.516, 320.909)

Have a look what the booklet for
CIELCh(38, 63.516, 320.909)
contains.

CIELCh(38, 63.588, 321.031)	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, 63.588, 321.031)

Conversions

Conversions Part 1

Format	Color
Hex	86369B
RGB	134, 54, 155
RGB Percent	53%, 21%, 61%
CMY	0.4742, 0.7880, 0.3919
CMYK	0.14, 0.65, 0.00, 0.39
HSL	288°, 48%, 41%
HSV	288°, 65%, 61%
XYZ	17.0879, 10.0881, 32.0882
YIQ	89.4340, 15.2590, 48.3710

Conversions

Conversions Part 2

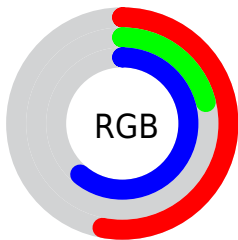
Format	Color
RYB	134, 54, 155
Decimal	8795803
CIELab	38.00, 49.44, -39.99
CIElCh	38, 63.588, 321.031
Yxy	10.0881, 0.2883, 0.1702
Android (android.graphics.Color)	4286985883 (0xFF86369B)
YUV	89.4340, 32.3240, 39.0844
Hunter-Lab	31.7617, 40.4504, -37.6662

Details

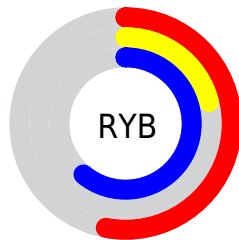
The CIELCh color **38, 63.588, 321.031** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **57, 62.285, 134.834**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 63.774, 321.146**, and **19, 60.529, 320.625** is the 20% darker color. If you saturate the color by 10%, you get **35, 70.865, 321.119**, and if you desaturate by 10%, it is **41, 54.992, 320.801**.

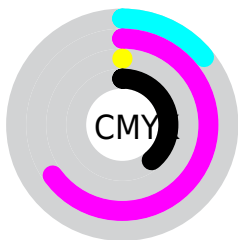
Distribution



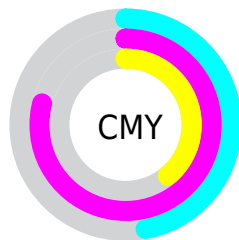
- Red (53%)
- Green (21%)
- Blue (61%)



- Red (53%)
- Yellow (21%)
- Blue (61%)



- Cyan (14%)
- Magenta (65%)
- Yellow (0%)
- Black (39%)





- Cyan (47%)
- Magenta (79%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 63.588, 321.031 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, 63.588, 321.031 by changing the saturation by 10% instead.


 38, 63.588,
321.031


 38, 63.588,
321.031

 100, 63.588,
321.031


 28, 63.588,
321.031

 58, 63.588,
321.031


 18, 63.588,
321.031


 68, 63.588,
321.031

 8, 63.588, 321.031

 78, 63.588,
321.031

 0, 63.588, 321.031

 88, 63.588,
321.031

 98, 63.588,
321.031

■ 38, 63.588,
321.031

■ 38, 63.588,
321.031

■ 35, 70.865,
321.119

■ 41, 54.992,
320.801

■ 33, 76.389,
321.022

■ 45, 45.524,
320.473

■ 31, 79.897,
320.706

■ 49, 35.560,
320.082

■ 31, 81.289,
320.525

■ 53, 25.382,
319.656

■ 57, 15.188,
319.215

■ 62, 5.107, 318.760

■ 66, 4.779, 138.410

■ 71, 14.425,
137.988

■ 75, 23.809,
137.609

Harmonies

Complementary

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



38, 63.588, 321.031



57, 62.285, 134.834

Rectangle

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



38, 63.588, 321.031



38, 63.588, 11.031



38, 63.588, 141.031



38, 63.588, 191.031

Sweetspot

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



38, 63.587, 321.031



70, 24.937, 319.448



35, 49.243, 291.452



36, 17.174, 319.563



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



38, 63.587, 321.031



45, 89.261, 321.102



40, 53.614, 338.748



30, 5.584, 318.951



28, 75.517, 320.587



1, 5.965, 318.172

Inverse Universe

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



38, 44.910, 13.205



45, 65.055, 18.321



57, 54.151, 146.974



30, 3.567, 3.424



29, 58.605, 27.497



1, 3.765, 2.911

Previews

White Background



This preview shows how the CIELCh color 38, 63.588, 321.031 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, 63.588, 321.031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

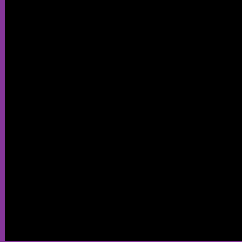
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 63.588, 321.031

Background



This preview shows how black text looks on a background with the CIELCh color 38, 63.588, 321.031.

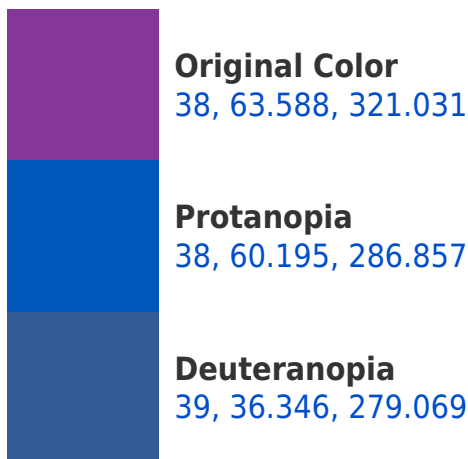


This preview shows how white text looks on a background with the CIELCh color 38, 63.588, 321.031.

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, 21.748, 13.404

Trichromacy



Original Color
38, 63.588, 321.031

Protanomaly
35, 61.094, 293.994

Deuteranomaly
37, 45.062, 298.353

Tritanomaly
38, 33.973, 338.502

Monochromacy



Original Color
38, 63.588, 321.031

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 25.480, 319.674

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 63.588, 321.031 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(134, 54, 155)` looks like.

```
.text, #text, p{  
    color:rgb(134, 54, 155)  
}
```

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(134, 54, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 54, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 63.588, 321.031 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(134, 54, 155) }
```

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

```
.border{ border-color:rgb(134, 54, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 54, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 54, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 54, 155);  
box-shadow:4px 4px 4px 4px rgb(134, 54,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 63.588, 321.031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 54, 155) }
```

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

```
.background{ background-color: rgb(134, 54,  
155) }
```

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