

Converting Colors

CIELCh(38, 32.412, 291.381)

Have a look what the booklet for
CIELCh(38, 32.412, 291.381)
contains.

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Color

CIELCh(38, 31.959, 290.963)

Conversions

Conversions Part 1

Format	Color
Hex	4F568A
RGB	79, 86, 138
RGB Percent	31%, 34%, 54%
CMY	0.6913, 0.6638, 0.4600
CMYK	0.43, 0.38, 0.00, 0.46
HSL	233°, 27%, 42%
HSV	233°, 43%, 54%
XYZ	11.0720, 10.0881, 25.2945
YIQ	89.8350, -20.8640, 14.6880

Conversions

Conversions Part 2

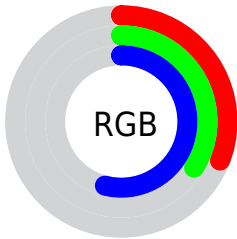
Format	Color
R_YB	79, 85, 138
Decimal	5199498
CIE _{Lab}	38.00, 11.43, -29.84
CIE _{LCh}	38, 31.959, 290.963
Yxy	10.0881, 0.2383, 0.2172
Android (android.graphics.Color)	4283389578 (0xFF4F568A)
YUV	89.8350, 23.7453, -9.5023
Hunter-Lab	31.7617, 6.6413, -24.9843

Details

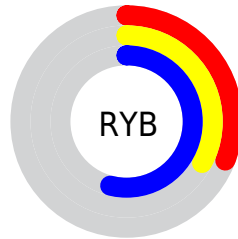
The CIELCh color **38, 31.959, 290.963** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **54, 29.496, 100.356**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 31.833, 290.818**, and **18, 32.311, 291.176** is the 20% darker color. If you saturate the color by 10%, you get **34, 40.167, 293.027**, and if you desaturate by 10%, it is **43, 24.052, 289.169**.

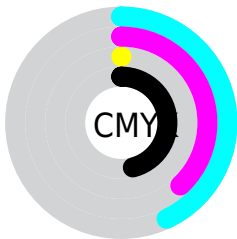
Distribution



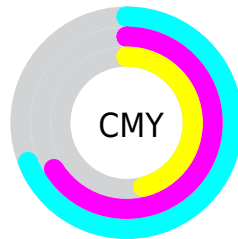
- Red (31%)
- Green (34%)
- Blue (54%)



- Red (31%)
- Yellow (33%)
- Blue (54%)



- Cyan (43%)
- Magenta (38%)
- Yellow (0%)
- Black (46%)





- Cyan (69%)
- Magenta (66%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 31.959, 290.963 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, 31.959, 290.963 by changing the saturation by 10% instead.


 38, 31.959,
290.963


 38, 31.959,
290.963

 100, 31.959,
290.963


 28, 31.959,
290.963

 58, 31.959,
290.963


 18, 31.959,
290.963


 68, 31.959,
290.963

 8, 31.959, 290.963

 78, 31.959,
290.963

 0, 31.959, 290.963

 88, 31.959,
290.963

 98, 31.959,
290.963

■ 38, 31.959,
290.963

■ 38, 31.959,
290.963

■ 34, 40.167,
293.027

■ 43, 24.052,
289.169

■ 29, 48.659,
295.349

■ 47, 16.435,
287.626

■ 25, 57.330,
297.867

■ 52, 9.085, 286.305

■ 21, 65.879,
300.433

■ 56, 1.981, 285.204

■ 61, 4.894, 104.165

■ 18, 73.684,
302.810

■ 65, 11.556,
103.332

■ 17, 78.384,
304.133

■ 69, 18.018,
102.603

■ 74, 24.291,
101.965

■ 78, 30.385,
101.406

Harmonies

Complementary

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



38, 31.959, 290.963



54, 29.496, 100.356

Rectangle

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



38, 31.959, 290.963



38, 31.959, 340.963



38, 31.959, 110.963



38, 31.959, 160.963

Sweetspot

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



38, 31.958, 290.963



66, 11.378, 286.359



53, 21.319, 184.906



33, 7.956, 286.603



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



38, 31.958, 290.963



44, 47.852, 292.865



38, 37.100, 306.915



27, 3.970, 285.871



16, 76.078, 304.060



0, 1.818, 284.869

Inverse Universe

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



41, 26.492, 14.632



49, 39.646, 16.471



54, 34.273, 122.109



27, 3.183, 10.299



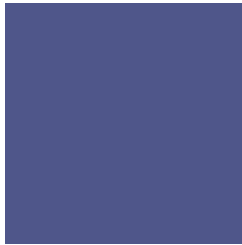
27, 59.395, 33.404



0, 1.438, 9.613

Previews

White Background



This preview shows how the CIELCh color 38, 31.959, 290.963 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, 31.959, 290.963 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, 31.959, 290.963

Background



This preview shows how black text looks on a background with the CIELCh color 38, 31.959, 290.963.



This preview shows how white text looks on a background with the CIELCh color 38, 31.959, 290.963.

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, 31.959, 290.963

Protanopia

38, 31.558, 284.766

Deuteranopia

38, 29.972, 281.012



Tritanopia
38, 10.158, 227.592

Trichromacy



Original Color
38, 31.959, 290.963

Protanomaly
38, 32.068, 287.175

Deuteranomaly
38, 30.334, 284.618

Tritanomaly
38, 15.753, 269.700

Monochromacy



Original Color
38, 31.959, 290.963

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 11.715, 288.237

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 31.959, 290.963 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(79, 86, 138)` looks like.

```
.text, #text, p{  
    color:rgb(79, 86, 138)  
}
```

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(79, 86, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 86, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 31.959, 290.963 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(79, 86, 138) }
```

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

```
.border{ border-color:rgb(79, 86, 138) }
```

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

Here you see how a box with a 4 pixel rgb(79, 86, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 86, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 86, 138);  
box-shadow:4px 4px 4px 4px rgb(79, 86,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 31.959, 290.963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 86, 138) }
```

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

```
.background{ background-color: rgb(79, 86,  
138) }
```

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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