

Converting Colors

CIELCh(38, 38.622, 289.791)

Have a look what the booklet for
CIELCh(38, 38.622, 289.791)
contains.

CIELCh(38, 38.119, 289.215)	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, 38.119, 289.215)

Conversions

Conversions Part 1

Format	Color
Hex	475694
RGB	71, 86, 148
RGB Percent	28%, 34%, 58%
CMY	0.7224, 0.6635, 0.4204
CMYK	0.52, 0.42, 0.00, 0.42
HSL	228°, 35%, 43%
HSV	228°, 52%, 58%
XYZ	11.2239, 10.0881, 29.2845
YIQ	88.5830, -28.8420, 16.1020

Conversions

Conversions Part 2

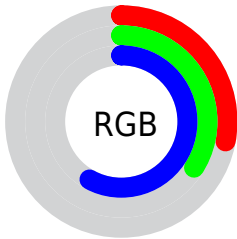
Format	Color
R _Y B	71, 84, 148
Decimal	4675220
CIE Lab	38.00, 12.55, -36.00
CIE LCh	38, 38.119, 289.215
Yxy	10.0881, 0.2218, 0.1994
Android (android.graphics.Color)	4282865300 (0xFF475694)
YUV	88.5830, 29.2926, -15.4203
Hunter-Lab	31.7617, 7.4950, -32.4325




Details

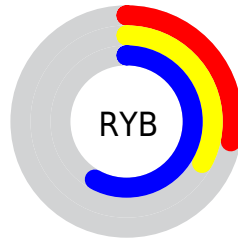
The CIELCh color **38, 38.119, 289.215** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **56, 35.326, 94.672**, and the grayscale version is **37, 0.005, 296.813**.




A 20% lighter version of the original color is **58, 38.136, 289.334**, and **18, 38.528, 289.516** is the 20% darker color. If you saturate the color by 10%, you get **34, 46.212, 291.694**, and if you desaturate by 10%, it is **42, 30.298, 287.036**.

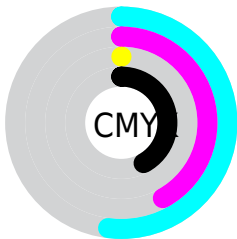
Distribution







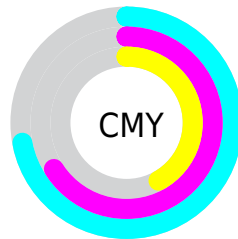
-  Red (28%)
-  Green (34%)
-  Blue (58%)






-  Red (28%)
-  Yellow (33%)
-  Blue (58%)



-  Cyan (52%)
-  Magenta (42%)
-  Yellow (0%)
-  Black (42%)





-  Cyan (72%)
-  Magenta (66%)
-  Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 38.119, 289.215 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, 38.119, 289.215 by changing the saturation by 10% instead.


 38, 38.119,
289.215


 38, 38.119,
289.215


 100, 38.119,
289.215


 28, 38.119,
289.215

 58, 38.119,
289.215


 18, 38.119,
289.215


 68, 38.119,
289.215

 8, 38.119, 289.215

 78, 38.119,
289.215

 0, 38.119, 289.215

 88, 38.119,
289.215

 98, 38.119,
289.215

■ 38, 38.119,
289.215

■ 38, 38.119,
289.215

■ 34, 46.212,
291.694

■ 42, 30.298,
287.036

■ 30, 54.550,
294.433

■ 47, 22.740,
285.148

■ 26, 62.995,
297.326

■ 51, 15.423,
283.526

■ 22, 71.199,
300.181

■ 56, 8.326, 282.139

■ 60, 1.431, 281.012

■ 20, 77.157,
302.137

■ 65, 5.273, 99.867

■ 69, 11.798, 98.982

■ 74, 18.152, 98.203

■ 78, 24.343, 97.517

Harmonies

Complementary

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



38, 38.119, 289.215



56, 35.326, 94.672

Rectangle

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



38, 38.119, 289.215



38, 38.119, 339.215



38, 38.119, 109.215



38, 38.119, 159.215

Sweetspot

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



38, 38.118, 289.216



69, 13.664, 282.698



56, 27.730, 178.183



35, 9.322, 282.955



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



38, 38.118, 289.216



43, 58.062, 292.267



36, 48.170, 305.669



29, 3.874, 281.778



18, 72.871, 301.965



1, 3.349, 280.697

Inverse Universe

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



40, 34.564, 10.749



47, 51.652, 13.865



58, 43.040, 118.957



29, 3.451, 4.387



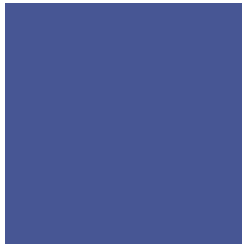
28, 58.241, 28.379



1, 2.950, 3.622

Previews

White Background



This preview shows how the CIELCh color 38, 38.119, 289.215 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, 38.119, 289.215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

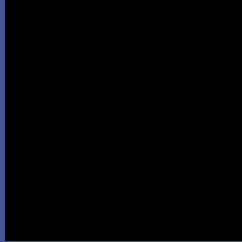
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 38.119, 289.215

Background



This preview shows how black text looks on a background with the CIELCh color 38, 38.119, 289.215.



This preview shows how white text looks on a background with the CIELCh color 38, 38.119, 289.215.

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, 38.119, 289.215

Protanopia

38, 38.285, 286.081

Deuteranopia

38, 35.785, 279.079



Tritanopia
38, 14.667, 214.969

Trichromacy



Original Color
38, 38.119, 289.215

Protanomaly
38, 38.221, 286.816

Deuteranomaly
38, 36.690, 282.859

Tritanomaly
38, 19.094, 259.957

Monochromacy



Original Color
38, 38.119, 289.215

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 14.272, 284.851

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 38.119, 289.215 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(71, 86, 148)` looks like.

```
.text, #text, p{  
    color:rgb(71, 86, 148)  
}
```

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(71, 86, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 86, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 38.119, 289.215 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(71, 86, 148) }
```

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

```
.border{ border-color:rgb(71, 86, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 86, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 86, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 86, 148);  
box-shadow:4px 4px 4px 4px rgb(71, 86,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 38.119, 289.215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 86, 148) }
```

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

```
.background{ background-color: rgb(71, 86,  
148) }
```

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