

Converting Colors

CIELCh(38, 63.308, 299.991)

Have a look what the booklet for
CIELCh(38, 63.308, 299.991)
contains.

CIELCh(38, 62.767, 299.775)	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, 62.767, 299.775)

Conversions

Conversions Part 1

Format	Color
Hex	504CB3
RGB	80, 76, 179
RGB Percent	31%, 30%, 70%
CMY	0.6871, 0.7026, 0.2988
CMYK	0.55, 0.58, 0.00, 0.30
HSL	242°, 40%, 50%
HSV	242°, 58%, 70%
XYZ	13.9793, 10.0881, 43.7511
YIQ	88.9380, -30.6790, 32.8810

Conversions

Conversions Part 2

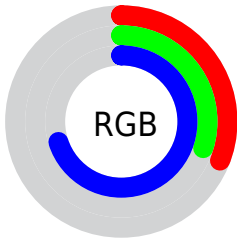
Format	Color
R _Y B	80, 76, 179
Decimal	5262515
CIE Lab	38.00, 31.17, -54.48
CIE LCh	38, 62.767, 299.775
Yxy	10.0881, 0.2061, 0.1488
Android (android.graphics.Color)	4283452595 (0xFF504CB3)
YUV	88.9380, 44.4006, -7.8386
Hunter-Lab	31.7617, 22.9806, -59.4376

Details

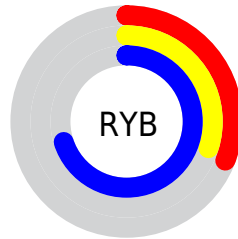
The CIELCh color **38, 62.767, 299.775** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **71, 53.218, 106.729**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 63.086, 299.830**, and **18, 62.359, 299.602** is the 20% darker color. If you saturate the color by 10%, you get **33, 74.671, 301.762**, and if you desaturate by 10%, it is **44, 50.905, 297.898**.

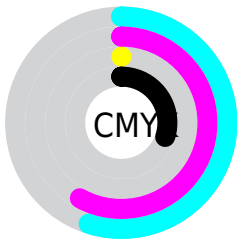
Distribution



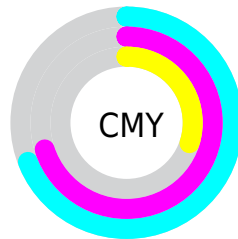
- Red (31%)
- Green (30%)
- Blue (70%)



- Red (31%)
- Yellow (30%)
- Blue (70%)



- Cyan (55%)
- Magenta (58%)
- Yellow (0%)
- Black (30%)





- Cyan (69%)
- Magenta (70%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 62.767, 299.775 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, 62.767, 299.775 by changing the saturation by 10% instead.


 38, 62.767,
299.775


 38, 62.767,
299.775

 100, 62.767,
299.775


 28, 62.767,
299.775

 58, 62.767,
299.775


 18, 62.767,
299.775


 68, 62.767,
299.775

 8, 62.767, 299.775

 78, 62.767,
299.775

 0, 62.767, 299.775

 88, 62.767,
299.775

 98, 62.767,
299.775

■ 38, 62.767,
299.775

■ 38, 62.767,
299.775

■ 33, 74.671,
301.762

■ 44, 50.905,
297.898

■ 28, 85.903,
303.673

■ 50, 39.388,
296.213

■ 24, 95.158,
305.223

■ 56, 28.311,
294.744

■ 22, 101.094,
306.181

■ 62, 17.683,
293.483

■ 21, 102.320,
306.405

■ 68, 7.483, 292.409

■ 74, 2.319, 111.466

■ 80, 11.751,
110.700

■ 86, 20.840,
110.033

■ 92, 29.610,
109.461

Harmonies

Complementary

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



38, 62.767, 299.775



71, 53.218, 106.729

Rectangle

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



38, 62.767, 299.775



38, 62.767, 349.775



38, 62.767, 119.775



38, 62.767, 169.775

Sweetspot

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



38, 62.767, 299.776



79, 21.112, 293.448



66, 29.643, 200.765



41, 14.292, 293.680



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



38, 62.767, 299.776



41, 94.410, 302.272



43, 62.943, 312.943



34, 5.594, 292.582



17, 91.176, 306.430



1, 13.323, 291.348

Inverse Universe

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



49, 64.209, 328.507



59, 90.435, 329.014



67, 58.242, 127.677



35, 6.576, 325.976



36, 76.615, 329.800



3, 15.623, 326.050

Previews

White Background



This preview shows how the CIELCh color 38, 62.767, 299.775 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, 62.767, 299.775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

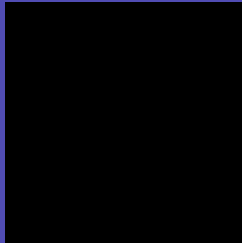
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 62.767, 299.775

Background



This preview shows how black text looks on a background with the CIELCh color 38, 62.767, 299.775.



This preview shows how white text looks on a background with the CIELCh color 38, 62.767, 299.775.

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, 62.767, 299.775

Protanopia

38, 59.701, 286.850

Deuteranopia

38, 43.358, 275.385



Tritanopia
38, 15.815, 215.950

Trichromacy



Original Color
38, 62.767, 299.775

Protanomaly
37, 60.865, 289.871

Deuteranomaly
37, 50.346, 284.639

Tritanomaly
37, 26.770, 275.834

Monochromacy



Original Color
38, 62.767, 299.775

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 23.516, 295.560

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 62.767, 299.775 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(80, 76, 179)` looks like.

```
.text, #text, p{  
    color:rgb(80, 76, 179)  
}
```

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(80, 76, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 76, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 62.767, 299.775 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(80, 76, 179) }
```

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

```
.border{ border-color:rgb(80, 76, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 76, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 76, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 76, 179);  
box-shadow:4px 4px 4px 4px rgb(80, 76,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 62.767, 299.775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 76, 179) }
```

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

```
.background{ background-color: rgb(80, 76,  
179) }
```

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