

Converting Colors

CIELCh(38, 60.365, 298.587)

Have a look what the booklet for
CIELCh(38, 60.365, 298.587)
contains.

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Color

CIELCh(38, 60.430, 298.645)

Conversions

Conversions Part 1

Format	Color
Hex	4D4DB0
RGB	77, 77, 176
RGB Percent	30%, 30%, 69%
CMY	0.6966, 0.6969, 0.3085
CMYK	0.56, 0.56, 0.00, 0.31
HSL	240°, 39%, 50%
HSV	240°, 56%, 69%
XYZ	13.6326, 10.0881, 42.4769
YIQ	88.2860, -31.7790, 30.7890

Conversions

Conversions Part 2

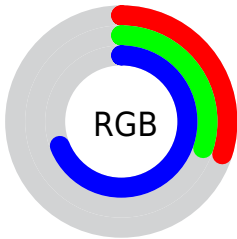
Format	Color
R_{YB}	77, 77, 176
Decimal	5066160
CIE _{Lab}	38.00, 28.97, -53.03
CIE _{LCh}	38, 60.430, 298.645
Yxy	10.0881, 0.2059, 0.1524
Android (android.graphics.Color)	4283256240 (0xFF4D4DB0)
YUV	88.2860, 43.2430, -9.8978
Hunter-Lab	31.7617, 21.0317, -57.0590

Details

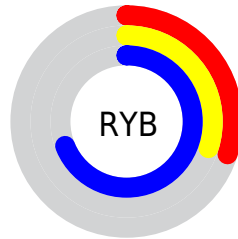
The CIELCh color $38, 60.430, 298.645$ is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be $70, 51.470, 105.020$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $58, 60.265, 298.708$, and $18, 60.001, 298.548$ is the 20% darker color. If you saturate the color by 10%, you get $32, 72.297, 300.819$, and if you desaturate by 10%, it is $44, 48.697, 296.621$.

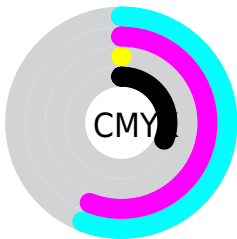
Distribution



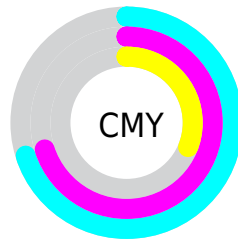
- Red (30%)
- Green (30%)
- Blue (69%)



- Red (30%)
- Yellow (30%)
- Blue (69%)



- Cyan (56%)
- Magenta (56%)
- Yellow (0%)
- Black (31%)





- Cyan (70%)
- Magenta (70%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 60.430, 298.645 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, 60.430, 298.645 by changing the saturation by 10% instead.


 38, 60.430,
298.645

 38, 60.430,
298.645

 100, 60.430,
298.645


 28, 60.430,
298.645

 58, 60.430,
298.645

 18, 60.430,
298.645


 68, 60.430,
298.645

 8, 60.430, 298.645

 78, 60.430,
298.645

 0, 60.430, 298.645

 88, 60.430,
298.645

 98, 60.430,
298.645

■ 38, 60.430,
298.645

■ 38, 60.430,
298.645

■ 32, 72.297,
300.819

■ 44, 48.697,
296.621

■ 28, 83.650,
302.958

■ 50, 37.352,
294.824

■ 24, 93.234,
304.764

■ 56, 26.460,
293.271

■ 21, 99.502,
305.928

■ 62, 16.018,
291.945

■ 21, 101.466,
306.289

■ 68, 5.996, 290.824

■ 74, 3.635, 109.842

■ 80, 12.905,
109.039

■ 86, 21.842,
108.346

■ 92, 30.467,
107.750

Harmonies

Complementary

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



38, 60.430, 298.645



70, 51.470, 105.020

Rectangle

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



38, 60.430, 298.645



38, 60.430, 348.645



38, 60.430, 118.645



38, 60.430, 168.645

Sweetspot

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



38, 60.430, 298.646



78, 20.909, 292.084



66, 29.908, 197.005



40, 14.026, 292.329



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



38, 60.430, 298.646



42, 90.884, 301.256



43, 60.630, 311.881



34, 5.590, 291.157



17, 91.386, 306.290



1, 13.317, 290.199

Inverse Universe

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



49, 63.780, 327.290



59, 90.148, 327.714



67, 55.793, 126.563



35, 6.747, 324.944



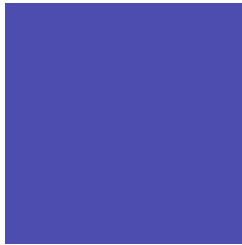
36, 78.883, 328.260



3, 16.250, 324.468

Previews

White Background



This preview shows how the CIELCh color 38, 60.430, 298.645 looks on a white background.

Color Contrast Check

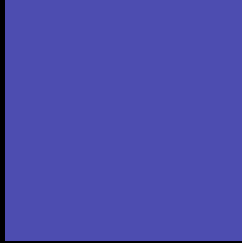
Large Text (above 18pt) WCAG AA ✓ Pass

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, 60.430, 298.645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

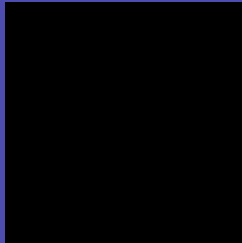
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 60.430, 298.645

Background



This preview shows how black text looks on a background with the CIELCh color 38, 60.430, 298.645.



This preview shows how white text looks on a background with the CIELCh color 38, 60.430, 298.645.

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, 60.430, 298.645

Protanopia

38, 59.701, 286.850

Deuteranopia

38, 43.358, 275.385



Tritanopia
38, 16.322, 215.309

Trichromacy



Original Color
38, 60.430, 298.645

Protanomaly
37, 60.230, 289.333

Deuteranomaly
37, 49.175, 283.601

Tritanomaly
37, 26.354, 274.105

Monochromacy



Original Color
38, 60.430, 298.645

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 22.230, 293.630

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 60.430, 298.645 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(77, 77, 176)` looks like.

```
.text, #text, p{  
    color:rgb(77, 77, 176)  
}
```

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(77, 77, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 77, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 60.430, 298.645 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(77, 77, 176) }
```

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

```
.border{ border-color:rgb(77, 77, 176) }
```

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

Here you see how a box with a 4 pixel rgb(77, 77, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 77, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 77, 176);  
box-shadow:4px 4px 4px 4px rgb(77, 77,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 60.430, 298.645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 77, 176) }
```

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

```
.background{ background-color: rgb(77, 77,  
176) }
```

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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