

Converting Colors

CIELCh(38, 105.865, 315.248)

Have a look what the booklet for
CIELCh(38, 105.865, 315.248)
contains.

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Color

CIELCh(38, 106.054, 315.268)

Conversions

Conversions Part 1

Format	Color
Hex	8801D6
RGB	136, 1, 214
RGB Percent	53%, 0%, 84%
CMY	0.4676, 0.9945, 0.1617
CMYK	0.36, 0.99, 0.00, 0.16
HSL	278°, 99%, 42%
HSV	278°, 99%, 84%
XYZ	22.2384, 10.0881, 64.2401
YIQ	65.6470, 12.0870, 94.8630

Conversions

Conversions Part 2

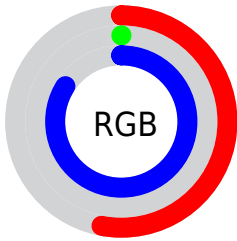
Format	Color
R_{YB}	136, 1, 214
Decimal	8913366
CIE _{Lab}	38.00, 75.34, -74.64
CIE _{LCh}	38, 106.054, 315.268
Yxy	10.0881, 0.2303, 0.1045
Android (android.graphics.Color)	4287103446 (0xFF8801D6)
YUV	65.6470, 73.1380, 61.6996
Hunter-Lab	31.7617, 69.3964, -97.6847

Details

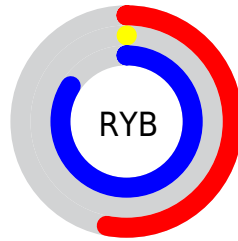
The CIELCh color **38, 106.054, 315.268** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **76, 99.283, 131.848**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 98.033, 317.061**, and **24, 87.616, 311.471** is the 20% darker color. If you saturate the color by 10%, you get **38, 106.285, 315.227**, and if you desaturate by 10%, it is **40, 102.111, 315.893**.

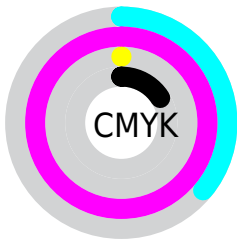
Distribution



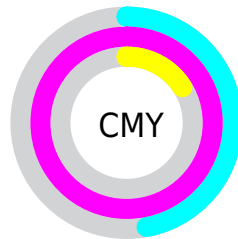
- Red (53%)
- Green (0%)
- Blue (84%)



- Red (53%)
- Yellow (0%)
- Blue (84%)



- Cyan (36%)
- Magenta (99%)
- Yellow (0%)
- Black (16%)





- Cyan (47%)
- Magenta (99%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 106.054, 315.268 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, 106.054, 315.268 by changing the saturation by 10% instead.


 38, 106.054,
315.268


 38, 106.054,
315.268


 100, 106.054,
315.268


 28, 106.054,
315.268


 58, 106.054,
315.268


 18, 106.054,
315.268


 68, 106.054,
315.268

 8, 106.054,
315.268

 78, 106.054,
315.268

 0, 106.054,
315.268

 88, 106.054,
315.268

 98, 106.054,
315.268

■ 38, 106.054,
315.268

■ 38, 106.054,
315.268

■ 38, 106.285,
315.227

■ 40, 102.111,
315.893

■ 43, 95.472,
316.205

■ 47, 86.274,
316.222

■ 52, 75.228,
316.027

■ 57, 63.036,
315.694

■ 62, 50.256,
315.283

■ 68, 37.279,
314.837

■ 74, 24.355,

314.384

■ 80, 11.636,
313.939

Harmonies

Complementary

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



38, 106.054, 315.268



76, 99.283, 131.848

Rectangle

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



38, 106.054, 315.268



38, 106.054, 5.268



38, 106.054, 135.268



38, 106.054, 185.268

Sweetspot

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



38, 106.054, 315.268



79, 44.000, 314.880



40, 79.037, 293.713



39, 30.101, 315.072



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



38, 106.054, 315.268



45, 121.506, 315.120



49, 92.176, 333.518



42, 7.077, 313.942



30, 89.833, 315.390



4, 30.049, 313.944

Inverse Universe

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



45, 74.739, 15.078



54, 85.773, 16.023



75, 102.137, 137.062



42, 5.089, 352.287



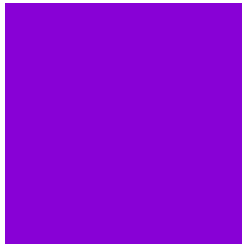
36, 63.232, 14.479



5, 22.550, 2.589

Previews

White Background



This preview shows how the CIELCh color 38, 106.054, 315.268 looks on a white background.

Color Contrast Check

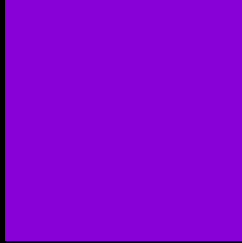
Large Text (above 18pt) WCAG AA ✓ Pass

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, 106.054, 315.268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

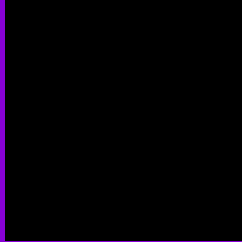
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 38, 106.054, 315.268

Background



This preview shows how black text looks on a background with the CIELCh color 38, 106.054, 315.268.



This preview shows how white text looks on a background with the CIELCh color 38, 106.054,

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, 106.181, 315.288

Protanopia

39, 60.124, 286.620

Deuteranopia

39, 42.266, 273.444



Tritanopia
38, 13.275, 2.758

Trichromacy



Original Color
38, 106.181, 315.288



Protanomaly
33, 85.085, 301.228



Deuteranomaly
32, 74.414, 299.581



Tritanomaly
35, 53.804, 322.086

Monochromacy



Original Color
38, 106.181, 315.288



Achromatopsia
28, 0.004, 296.813



Achromatomaly
28, 50.619, 315.794

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 106.054, 315.268 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(136, 1, 214)` looks like.

```
.text, #text, p{  
    color:rgb(136, 1, 214)  
}
```

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(136, 1, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 1, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 106.054, 315.268 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(136, 1, 214) }
```

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

```
.border{ border-color:rgb(136, 1, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 1, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 1, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 1, 214);  
box-shadow:4px 4px 4px 4px rgb(136, 1,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 106.054, 315.268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 1, 214) }
```

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

```
.background{ background-color: rgb(136, 1,  
214) }
```

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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