

Converting Colors

CIELCh(38, 111.852, 310.813)

Have a look what the booklet for
CIELCh(38, 111.852, 310.813)
contains.

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Color

CIELCh(38, 111.766, 310.783)

Conversions

Conversions Part 1

Format	Color
Hex	721AE7
RGB	114, 26, 231
RGB Percent	45%, 10%, 91%
CMY	0.5529, 0.8980, 0.0941
CMYK	0.51, 0.89, 0.00, 0.09
HSL	266°, 81%, 50%
HSV	266°, 89%, 91%
XYZ	21.7363, 10.0881, 76.4122
YIQ	75.6820, -13.3570, 82.4110

Conversions

Conversions Part 2

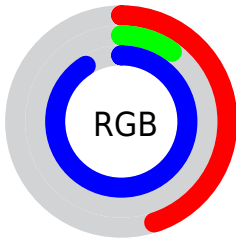
Format	Color
R_{YB}	114, 26, 231
Decimal	7477991
CIE _{Lab}	38.00, 73.01, -84.63
CIE _{LCh}	38, 111.766, 310.783
Yxy	10.0881, 0.2008, 0.0932
Android (android.graphics.Color)	4285668071 (0xFF721AE7)
YUV	75.6820, 76.5718, 33.6049
Hunter-Lab	31.7617, 66.5747, -120.4066

Details

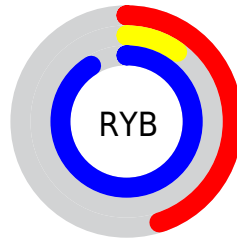
The CIELCh color **38, 111.766, 310.783** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **83, 94.973, 124.510**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 94.726, 313.088**, and **22, 98.444, 307.620** is the 20% darker color. If you saturate the color by 10%, you get **35, 117.167, 310.316**, and if you desaturate by 10%, it is **42, 103.044, 310.823**.

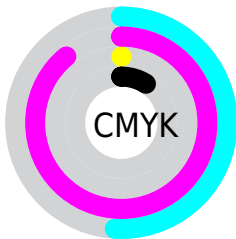
Distribution



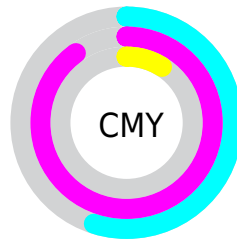
- Red (45%)
- Green (10%)
- Blue (91%)



- Red (45%)
- Yellow (10%)
- Blue (91%)



- Cyan (51%)
- Magenta (89%)
- Yellow (0%)
- Black (9%)





- Cyan (55%)
- Magenta (90%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 111.766, 310.783 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, 111.766, 310.783 by changing the saturation by 10% instead.


 38, 111.766,
310.783


 38, 111.766,
310.783


 100, 111.766,
310.783


 28, 111.766,
310.783


 58, 111.766,
310.783


 18, 111.766,
310.783


 68, 111.766,
310.783

 8, 111.766,
310.783

 78, 111.766,
310.783

 0, 111.766,
310.783

 88, 111.766,
310.783

 98, 111.766,
310.783

■ 38, 111.766,
310.783

■ 38, 111.766,
310.783

■ 35, 117.167,
310.316

■ 42, 103.044,
310.823

■ 35, 117.754,
310.254

■ 47, 91.693,
310.516

■ 53, 78.777,
310.001

■ 59, 65.127,
309.384

■ 65, 51.285,
308.739

■ 72, 37.567,
308.109

■ 79, 24.140,
307.518

■ 86, 11.086,

306.976

■ 93, 1.562, 126.570

Harmonies

Complementary

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



38, 111.766, 310.783



83, 94.973, 124.510

Rectangle

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



38, 111.766, 310.783



38, 111.766, 0.783



38, 111.766, 130.783



38, 111.766, 180.783

Sweetspot

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



38, 111.767, 310.784



80, 38.153, 308.012



58, 51.671, 269.782



40, 25.831, 308.222



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, 111.767, 310.784



39, 126.971, 310.195



53, 104.968, 325.144



45, 7.175, 307.013



26, 96.898, 310.437



4, 35.193, 308.537

Inverse Universe

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



52, 78.962, 352.398



55, 86.098, 356.229



81, 107.139, 135.815



45, 6.143, 340.727



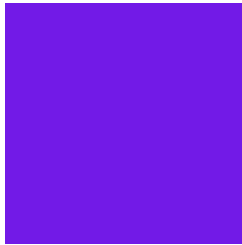
39, 66.105, 355.371



7, 28.440, 349.784

Previews

White Background



This preview shows how the CIELCh color 38, 111.766, 310.783 looks on a white background.

Color Contrast Check

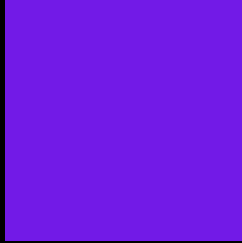
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 38, 111.766, 310.783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

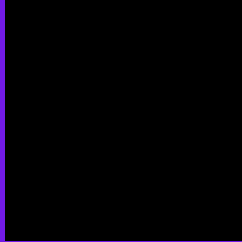
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 111.766, 310.783

Background



This preview shows how black text looks on a background with the CIELCh color 38, 111.766, 310.783.



This preview shows how white text looks on a background with the CIELCh color 38, 111.766, 310.783.

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

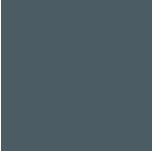
38, 111.766, 310.783

Protanopia

38, 58.501, 286.103

Deuteranopia

38, 41.231, 273.030



Tritanopia
38, 7.807, 238.056

Trichromacy



Original Color
38, 111.766, 310.783

Protanomaly
35, 82.488, 298.974

Deuteranomaly
34, 71.057, 296.623

Tritanomaly
35, 50.114, 305.140

Monochromacy



Original Color
38, 111.766, 310.783

Achromatopsia
32, 0.005, 296.813

Achromatomaly
31, 47.608, 309.794

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 111.766, 310.783 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(114, 26, 231)` looks like.

```
.text, #text, p{  
    color:rgb(114, 26, 231)  
}
```

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(114, 26, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 26, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 111.766, 310.783 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(114, 26, 231) }
```

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

```
.border{ border-color:rgb(114, 26, 231) }
```

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

Here you see how a box with a 4 pixel rgb(114, 26, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 26, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 26, 231);  
box-shadow:4px 4px 4px 4px rgb(114, 26,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 111.766, 310.783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 26, 231) }
```

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

```
.background{ background-color: rgb(114, 26,  
231) }
```

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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