# Converting Colors

CIELCh(38, 111.898, 310.820)

Have a look what the booklet for CIELCh(38, 111.898, 310.820) 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

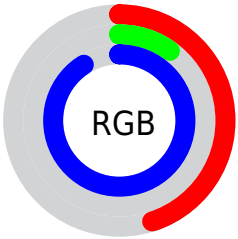
| Format | Color |
|---|---|
| RYB | 114, 26, 231 |
| Decimal | 7477991 |
| CIELab | 38.00, 73.01, -84.63 |
| CIELCh | 38, 111.766, 310.783 |
| Yxy | 10.0881, 0.2008, 0.0932 |
| Android (android.graphics.Color) | 4285668071 (0xFF721AE7) |
| YUV | 75.6820, 76.5718, 33.6049 |
| Hunter-Lab | 31.7617, 66.5747, -120.4066 |

# Details

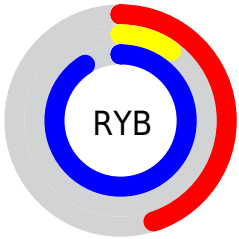
The CIELCh color 38, 111.766, 310.783 is a dark color, and the websafe version is hex 6600CC. The color can be described as dark washed purple. A complement of this color would be 83, 94.973, 124.510, and the grayscale version is 32, 0.005, 296.813.

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

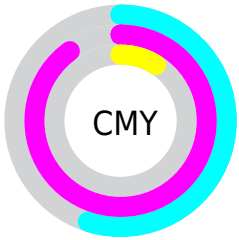



- Red (45%)
- Green (10%)
- Blue (91%)




- 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

35, 117.167, 310.316

35, 117.754, 310.254

38, 111.766, 310.783

42, 103.044, 310.823

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

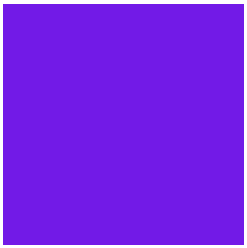
45, 6.143, 340.727

39, 66.105, 355.371

7, 28.440, 349.784

# Previews

## White Background

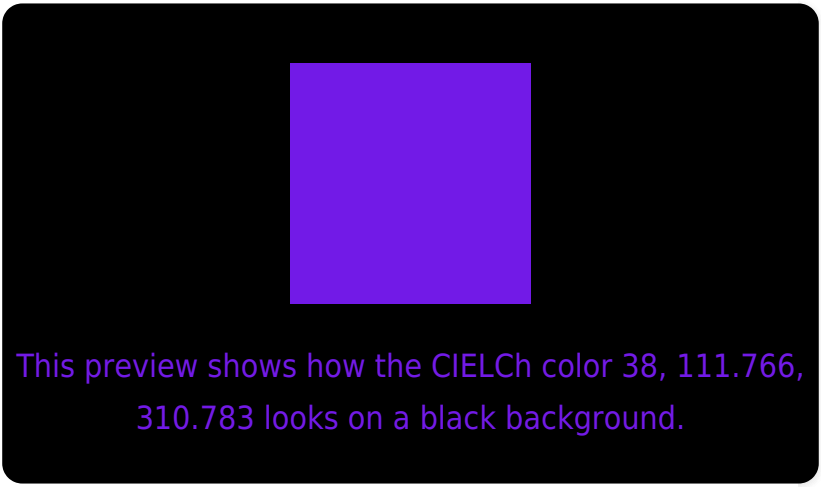


This preview shows how the CIELCh color 38, 111.766, 310.783 looks on a white background.

### 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

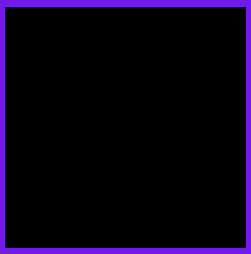



### Color Contrast Check

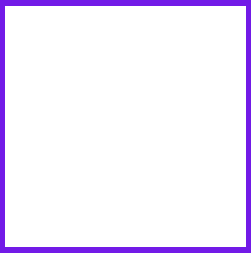
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

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.



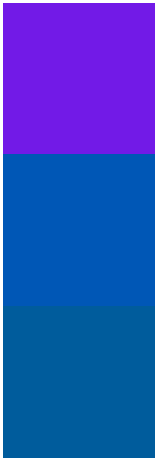
This preview shows how white text looks on a background with the CIELCh color 38, 111.766,

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



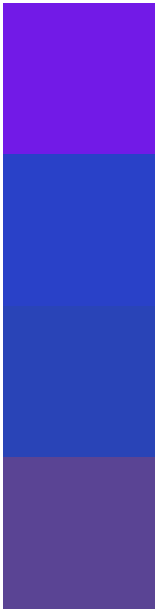
**Original Color**
38, 111.766, 310.783

**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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