

Converting Colors

CIELCh(35, 113.262, 311.387)

Have a look what the booklet for
CIELCh(35, 113.262, 311.387)
contains.

CIELCh(35, 113.296, 311.408)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(35, 113.296, 311.408)

Conversions

Conversions Part 1

Format	Color
Hex	6C00DF
RGB	108, 0, 223
RGB Percent	42%, 0%, 87%
CMY	0.5769, 1.0000, 0.1259
CMYK	0.52, 1.00, 0.00, 0.13
HSL	269°, 100%, 44%
HSV	269°, 100%, 87%
XYZ	19.4737, 8.4984, 70.3548
YIQ	57.7140, -7.2150, 92.2490

Conversions

Conversions Part 2

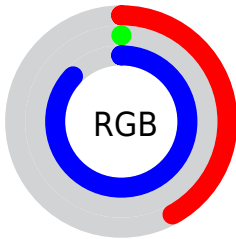
Format	Color
RYB	108, 0, 223
Decimal	7078111
CIELab	35.00, 74.94, -84.97
CIELCh	35, 113.296, 311.408
Yxy	8.4984, 0.1981, 0.0864
Android (android.graphics.Color)	4285268191 (0xFF6C00DF)
YUV	57.7140, 81.4860, 44.1008
Hunter-Lab	29.1520, 68.2232, -122.6829

Details

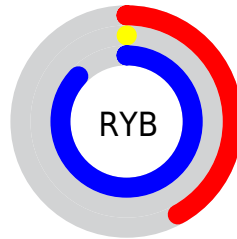
The CIELCh color **35, 113.296, 311.408** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **80, 98.226, 127.708**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 100.227, 313.227**, and **20, 95.588, 307.251** is the 20% darker color. If you saturate the color by 10%, you get **35, 113.264, 311.403**, and if you desaturate by 10%, it is **38, 108.481, 311.970**.

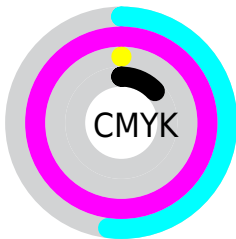
Distribution



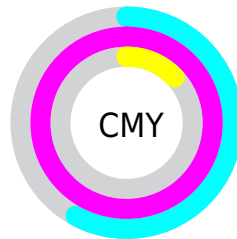
- Red (42%)
- Green (0%)
- Blue (87%)



- Red (42%)
- Yellow (0%)
- Blue (87%)



- Cyan (52%)
- Magenta (100%)
- Yellow (0%)
- Black (13%)





- Cyan (58%)
- Magenta (100%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 113.296, 311.408 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 35, 113.296, 311.408 by changing the saturation by 10% instead.


 35, 113.296,
311.408


 35, 113.296,
311.408


 100, 113.296,
311.408


 25, 113.296,
311.408


 55, 113.296,
311.408


 15, 113.296,
311.408


 65, 113.296,
311.408

 5, 113.296,
311.408

 75, 113.296,
311.408

 0, 113.296,
311.408

 85, 113.296,
311.408

 95, 113.296,
311.408

■ 35, 113.296,
311.408

■ 35, 113.296,
311.408

■ 35, 113.264,
311.403

■ 38, 108.481,
311.970

■ 41, 100.746,
312.165

■ 46, 90.342,
312.012

■ 51, 78.218,
311.631

■ 57, 65.188,
311.126

■ 63, 51.816,
310.568

■ 69, 38.456,
310.004

■ 76, 25.306,

309.463

■ 82, 12.475,
308.956

Harmonies

Complementary

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



35, 113.296, 311.408



80, 98.226, 127.708

Rectangle

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



35, 113.296, 311.408



35, 113.296, 1.408



35, 113.296, 131.408



35, 113.296, 181.408

Sweetspot

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



35, 113.264, 311.403



78, 42.901, 310.017



49, 63.844, 282.992



39, 29.411, 310.255



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



35, 113.264, 311.403



40, 125.488, 311.318



52, 104.472, 327.567



44, 7.117, 308.929



27, 94.755, 311.580



4, 33.368, 309.707

Inverse Universe

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



48, 76.691, 1.048



55, 84.839, 1.395



78, 108.120, 135.961



44, 5.808, 343.536



38, 64.370, 0.330



6, 26.599, 353.538

Previews

White Background



This preview shows how the CIELCh color 35, 113.296, 311.408 looks on a white background.

Color Contrast Check

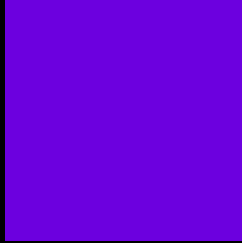
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 35, 113.296, 311.408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

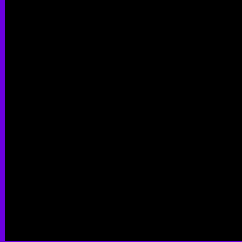
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 113.296, 311.408

Background



This preview shows how black text looks on a background with the CIELCh color 35, 113.296, 311.408.



This preview shows how white text looks on a background with the CIELCh color 35, 113.296, 311.408.

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

35, 113.296, 311.408

Protanopia

36, 56.072, 286.279

Deuteranopia

36, 38.625, 271.885



Tritanopia
36, 8.135, 231.142

Trichromacy



Original Color
35, 113.296, 311.408



Protanomaly
31, 85.175, 301.238



Deuteranomaly
30, 74.521, 299.500



Tritanomaly
31, 54.680, 307.134

Monochromacy



Original Color
35, 113.296, 311.408



Achromatopsia
24, 0.004, 296.813



Achromatomaly
24, 53.054, 311.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 113.296, 311.408 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(108, 0, 223)` looks like.

```
.text, #text, p{  
    color:rgb(108, 0, 223)  
}
```

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(108, 0, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 0, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 113.296, 311.408 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(108, 0, 223) }
```

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

```
.border{ border-color:rgb(108, 0, 223) }
```

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

Here you see how a box with a 4 pixel rgb(108, 0, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 0, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 0, 223);  
box-shadow:4px 4px 4px 4px rgb(108, 0,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 113.296, 311.408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 0, 223) }
```

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

```
.background{ background-color: rgb(108, 0,  
223) }
```

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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