

Converting Colors

CIELCh(35, 131.223, 307.562)

Have a look what the booklet for
CIELCh(35, 131.223, 307.562)
contains.

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Color

CIELCh(35, 130.670, 307.550)

Conversions

Conversions Part 1

Format	Color
Hex	4204FF
RGB	66, 4, 255
RGB Percent	26%, 2%, 100%
CMY	0.7416, 0.9839, 0.0000
CMYK	0.74, 0.98, 0.00, 0.00
HSL	255°, 100%, 51%
HSV	255°, 98%, 100%
XYZ	20.4205, 8.4984, 95.6256
YIQ	51.1520, -43.6190, 91.2050

Conversions

Conversions Part 2

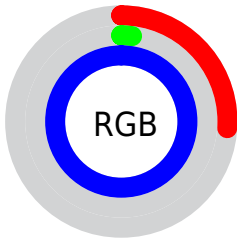
Format	Color
RYB	66, 4, 255
Decimal	4326655
CIELab	35.00, 79.64, -103.60
CIElCh	35, 130.670, 307.550
Yxy	8.4984, 0.1640, 0.0682
Android (android.graphics.Color)	4282516735 (0xFF4204FF)
YUV	51.1520, 100.4971, 13.0217
Hunter-Lab	29.1520, 74.0203, -174.0791

Details

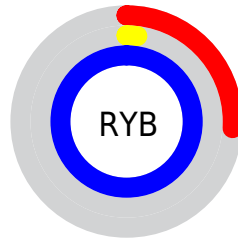
The CIELCh color **35, 130.670, 307.550** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **93, 100.385, 117.284**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 101.507, 309.352**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **35, 131.255, 307.545**, and if you desaturate by 10%, it is **38, 124.047, 307.563**.

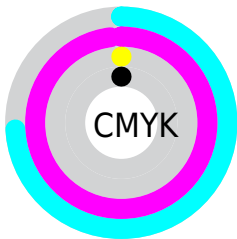
Distribution



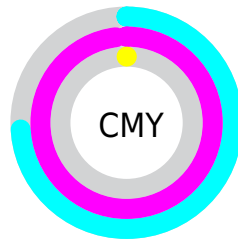
- Red (26%)
- Green (2%)
- Blue (100%)



- Red (26%)
- Yellow (2%)
- Blue (100%)



- Cyan (74%)
- Magenta (98%)
- Yellow (0%)
- Black (0%)





- Cyan (74%)
- Magenta (98%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 130.670, 307.550 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, 130.670, 307.550 by changing the saturation by 10% instead.


 35, 130.670,
307.550


 35, 130.670,
307.550


 100, 130.670,
307.550


 25, 130.670,
307.550


 55, 130.670,
307.550


 15, 130.670,
307.550


 65, 130.670,
307.550

 5, 130.670,
307.550

 75, 130.670,
307.550

 0, 130.670,
307.550

 85, 130.670,
307.550

 95, 130.670,
307.550

■ 35, 130.670,
307.550

■ 35, 130.670,
307.550

■ 35, 131.255,
307.545

■ 38, 124.047,
307.563

■ 43, 113.375,
307.030

■ 49, 99.800,
306.122

■ 55, 84.830,
305.042

■ 63, 69.462,
303.935

■ 70, 54.234,
302.881

■ 78, 39.398,
301.921

■ 86, 25.052,

301.067

■ 94, 11.224,
300.317

Harmonies

Complementary

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



35, 130.670, 307.550



93, 100.385, 117.284

Rectangle

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



35, 130.670, 307.550



35, 130.670, 357.550



35, 130.670, 127.550



35, 130.670, 177.550

Sweetspot

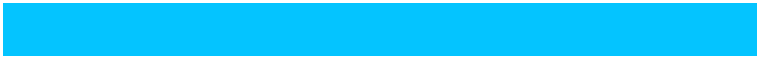
The Sweet Spot groups the original color and five complimentary colors.



35, 130.449, 307.557



77, 41.749, 302.068



74, 44.951, 243.010



38, 28.701, 302.467



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, 130.449, 307.557



35, 131.255, 307.545



50, 118.694, 318.368



49, 7.618, 300.396



25, 105.520, 307.678



4, 44.651, 306.500

Inverse Universe

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



57, 95.358, 341.197



57, 95.371, 341.441



88, 116.008, 133.849



50, 7.627, 332.794



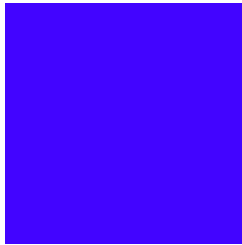
43, 77.047, 341.153



11, 36.207, 339.225

Previews

White Background



This preview shows how the CIE LCh color 35, 130.670, 307.550 looks on a white background.

Color Contrast Check

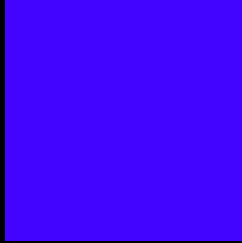
Large Text (above 18pt) WCAG AA ✓ Pass

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, 130.670, 307.550 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, 130.670, 307.550

Background



This preview shows how black text looks on a background with the CIELCh color 35, 130.670, 307.550.



This preview shows how white text looks on a background with the CIELCh color 35, 130.670, 307.550.

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, 130.455, 307.564

Protanopia

35, 54.423, 285.703

Deuteranopia

35, 37.577, 271.376



Tritanopia
35, 23.141, 204.408

Trichromacy



Original Color
35, 130.455, 307.564

Protanomaly
31, 90.312, 300.922

Deuteranomaly
30, 79.196, 298.874

Tritanomaly
29, 59.925, 294.058

Monochromacy



Original Color
35, 130.455, 307.564

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 59.434, 306.092

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 130.670, 307.550 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(66, 4, 255)` looks like.

```
.text, #text, p{  
    color:rgb(66, 4, 255)  
}
```

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(66, 4, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 4, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 130.670, 307.550 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(66, 4, 255) }
```

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

```
.border{ border-color:rgb(66, 4, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 4, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 4, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 4, 255);  
box-shadow:4px 4px 4px 4px rgb(66, 4, 255)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 130.670, 307.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 4, 255) }
```

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

```
.background{ background-color: rgb(66, 4,  
255) }
```

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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