

Converting Colors

CIELCh(35, 130.668, 307.865)

Have a look what the booklet for
CIELCh(35, 130.668, 307.865)
contains.

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Color

CIELCh(35, 130.702, 307.846)

Conversions

Conversions Part 1

Format	Color
Hex	4600FF
RGB	70, 0, 255
RGB Percent	27%, 0%, 100%
CMY	0.7263, 1.0000, 0.0006
CMYK	0.73, 1.00, 0.00, 0.00
HSL	256°, 100%, 50%
HSV	256°, 100%, 100%
XYZ	20.5340, 8.4984, 95.0463
YIQ	50.0000, -40.1350, 94.1450

Conversions

Conversions Part 2

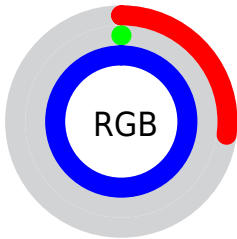
Format	Color
R_{YB}	70, 0, 255
Decimal	4587775
CIE _{Lab}	35.00, 80.19, -103.21
CIE _{LCh}	35, 130.702, 307.846
Yxy	8.4984, 0.1655, 0.0685
Android (android.graphics.Color)	4282777855 (0xFF4600FF)
YUV	50.0000, 101.0650, 17.5400
Hunter-Lab	29.1520, 74.7152, -172.9010

Details

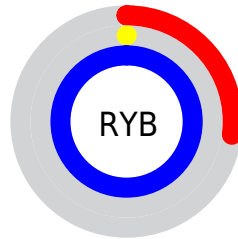
The CIELCh color **35, 130.702, 307.846** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **92, 101.539, 118.861**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 101.936, 309.730**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **35, 130.660, 307.839**, and if you desaturate by 10%, it is **38, 124.822, 307.980**.

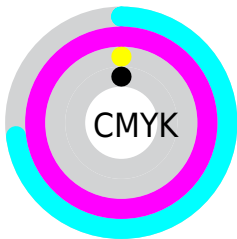
Distribution



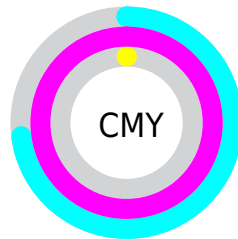
- Red (27%)
- Green (0%)
- Blue (100%)



- Red (27%)
- Yellow (0%)
- Blue (100%)



- Cyan (73%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (73%)
- Magenta (100%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 130.702, 307.846 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, 130.702, 307.846 by changing the saturation by 10% instead.


 35, 130.702,
307.846


 35, 130.702,
307.846


 100, 130.702,
307.846


 25, 130.702,
307.846


 55, 130.702,
307.846


 15, 130.702,
307.846


 65, 130.702,
307.846

 5, 130.702,
307.846

 75, 130.702,
307.846

 0, 130.702,
307.846

 85, 130.702,
307.846

 95, 130.702,
307.846

■ 35, 130.702,
307.846

■ 35, 130.702,
307.846

■ 35, 130.660,
307.839

■ 38, 124.822,
307.980

■ 42, 114.919,
307.629

■ 48, 101.878,
306.876

■ 55, 87.200,
305.915

■ 62, 71.947,
304.895

■ 69, 56.723,
303.905

■ 77, 41.826,
302.991

■ 85, 27.386,

302.169

■ 92, 13.448,
301.443

Harmonies

Complementary

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



35, 130.702, 307.846



92, 101.539, 118.861

Rectangle

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



35, 130.702, 307.846



35, 130.702, 357.846



35, 130.702, 127.846



35, 130.702, 177.846

Sweetspot

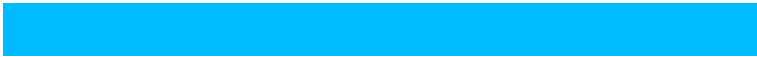
The Sweet Spot groups the original color and five complimentary colors.



35, 130.660, 307.839



77, 41.845, 302.991



71, 46.978, 250.703



38, 28.759, 303.366



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, 130.660, 307.839



35, 130.715, 307.838



51, 118.411, 319.396



49, 7.642, 301.410



25, 105.075, 307.982



4, 44.704, 307.107

Inverse Universe

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



57, 93.524, 343.383



57, 93.563, 343.384



88, 117.206, 134.427



50, 7.479, 333.857



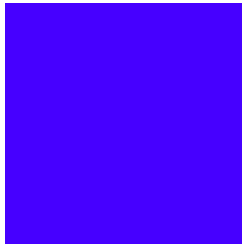
43, 75.600, 343.046



11, 35.581, 340.793

Previews

White Background



This preview shows how the CIE LCh color 35, 130.702, 307.846 looks on a white background.

Color Contrast Check

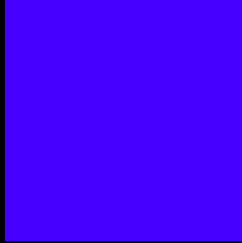
Large Text (above 18pt) WCAG AA ✓ Pass

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, 130.702, 307.846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

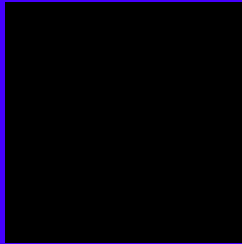
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 130.702, 307.846

Background



This preview shows how black text looks on a background with the CIELCh color 35, 130.702, 307.846.



This preview shows how white text looks on a background with the CIELCh color 35, 130.702, 307.846.

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, 130.702, 307.846

Protanopia

35, 54.996, 285.986

Deuteranopia

35, 37.580, 271.021



Tritanopia
35, 23.141, 204.408

Trichromacy



Original Color
35, 130.702, 307.846

Protanomaly
31, 91.408, 301.219

Deuteranomaly
30, 80.370, 299.271

Tritanomaly
29, 60.595, 294.572

Monochromacy



Original Color
35, 130.702, 307.846

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 60.032, 306.858

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 130.702, 307.846 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(70, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(70, 0, 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(70, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 0, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 130.702, 307.846 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(70, 0, 255) }
```

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

```
.border{ border-color:rgb(70, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(70, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(70, 0, 255)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 130.702, 307.846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 0, 255) }
```

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

```
.background{ background-color: rgb(70, 0,  
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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