

Converting Colors

CIELCh(35, 125.865, 304.575)

Have a look what the booklet for
CIELCh(35, 125.865, 304.575)
contains.

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Color

CIELCh(35, 125.770, 304.602)

Conversions

Conversions Part 1

Format	Color
Hex	0623FF
RGB	6, 35, 255
RGB Percent	2%, 14%, 100%
CMY	0.9756, 0.8616, 0.0000
CMYK	0.98, 0.86, 0.00, 0.00
HSL	233°, 100%, 51%
HSV	233°, 98%, 100%
XYZ	18.7854, 8.4984, 95.5138
YIQ	51.4090, -87.9040, 62.2720

Conversions

Conversions Part 2

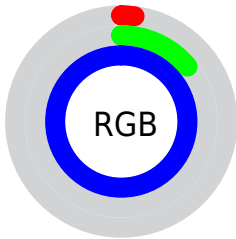
Format	Color
RYB	6, 32, 255
Decimal	402431
CIELab	35.00, 71.42, -103.52
CIElCh	35, 125.770, 304.602
Yxy	8.4984, 0.1530, 0.0692
Android (android.graphics.Color)	4278592511 (0xFF0623FF)
YUV	51.4090, 100.3704, -39.8237
Hunter-Lab	29.1520, 64.0087, -173.8518

Details

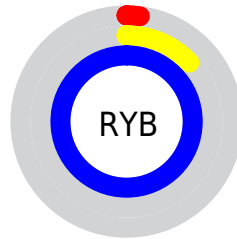
The CIELCh color **35, 125.770, 304.602** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **90, 88.906, 94.760**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 95.753, 304.734**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 127.619, 304.969**, and if you desaturate by 10%, it is **39, 115.163, 302.565**.

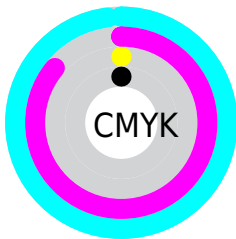
Distribution



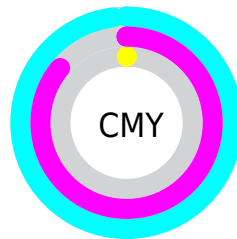
- Red (2%)
- Green (14%)
- Blue (100%)



- Red (2%)
- Yellow (13%)
- Blue (100%)



- Cyan (98%)
- Magenta (86%)
- Yellow (0%)
- Black (0%)





- Cyan (98%)
- Magenta (86%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 125.770, 304.602 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, 125.770, 304.602 by changing the saturation by 10% instead.


 35, 125.770,
304.602


 35, 125.770,
304.602


 100, 125.770,
304.602


 25, 125.770,
304.602


 55, 125.770,
304.602


 15, 125.770,
304.602


 65, 125.770,
304.602

 5, 125.770,
304.602

 75, 125.770,
304.602

 0, 125.770,
304.602

 85, 125.770,
304.602

 95, 125.770,
304.602

■ 35, 125.770,
304.602

■ 35, 125.770,
304.602

■ 34, 127.619,
304.969

■ 39, 115.163,
302.565

■ 44, 101.990,
300.046

■ 50, 87.746,
297.369

■ 57, 73.436,
294.787

■ 64, 59.501,
292.441

■ 72, 46.078,
290.386

■ 79, 33.173,
288.618

■ 87, 20.754,

287.111

■ 94, 8.782, 285.836

Harmonies

Complementary

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



35, 125.770, 304.602



90, 88.906, 94.760

Rectangle

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



35, 125.770, 304.602



35, 125.770, 354.602



35, 125.770, 124.602



35, 125.770, 174.602

Sweetspot

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



35, 125.639, 304.599



78, 35.005, 288.856



90, 57.044, 178.212



39, 24.214, 289.593



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, 125.639, 304.599



34, 127.619, 304.969



38, 127.411, 309.206



49, 6.629, 286.067



25, 101.742, 304.678



5, 40.413, 299.613

Inverse Universe

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



54, 97.592, 34.890



53, 99.212, 35.882



91, 103.919, 122.964



50, 5.306, 10.548



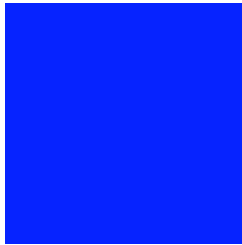
40, 79.161, 35.065



10, 32.489, 22.417

Previews

White Background



This preview shows how the CIELCh color 35, 125.770, 304.602 looks on a white background.

Color Contrast Check

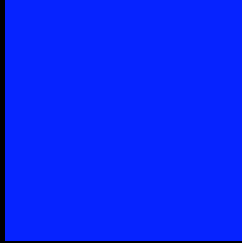
Large Text (above 18pt) WCAG AA ✓ Pass

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, 125.770, 304.602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

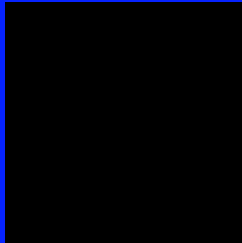
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 125.770, 304.602

Background



This preview shows how black text looks on a background with the CIELCh color 35, 125.770, 304.602.



This preview shows how white text looks on a background with the CIELCh color 35, 125.770,

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, 125.744, 304.620

Protanopia

35, 53.917, 285.681

Deuteranopia

34, 37.051, 271.109



Tritanopia
35, 23.060, 202.832

Trichromacy



Original Color
35, 125.744, 304.620

Protanomaly
33, 83.183, 297.642

Deuteranomaly
32, 72.285, 294.902

Tritanomaly
31, 52.140, 286.838

Monochromacy



Original Color
35, 125.744, 304.620

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 52.639, 297.472

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 125.770, 304.602 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(6, 35, 255)` looks like.

```
.text, #text, p{  
    color:rgb(6, 35, 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(6, 35, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 35, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 125.770, 304.602 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(6, 35, 255) }
```

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

```
.border{ border-color:rgb(6, 35, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 35, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 35, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 35, 255);  
box-shadow:4px 4px 4px 4px rgb(6, 35, 255)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 125.770, 304.602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 35, 255) }
```

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

```
.background{ background-color: rgb(6, 35,  
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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