

Converting Colors

CIELCh(35, 111.307, 302.338)

Have a look what the booklet for
CIELCh(35, 111.307, 302.338)
contains.

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Color

CIELCh(35, 110.879, 302.384)

Conversions

Conversions Part 1

Format	Color
Hex	0033EE
RGB	0, 51, 238
RGB Percent	0%, 20%, 93%
CMY	1.0000, 0.8008, 0.0676
CMYK	1.00, 0.79, 0.00, 0.07
HSL	227°, 100%, 47%
HSV	227°, 100%, 93%
XYZ	16.5515, 8.4984, 81.4653
YIQ	57.0690, -90.4230, 47.3450

Conversions

Conversions Part 2

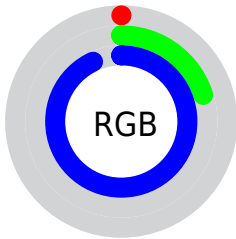
Format	Color
R _Y B	0, 42, 238
Decimal	13294
CIE Lab	35.00, 59.39, -93.63
CIE LCh	35, 110.879, 302.384
Yxy	8.4984, 0.1554, 0.0798
Android (android.graphics.Color)	4278203374 (0xFF0033EE)
YUV	57.0690, 89.1990, -50.0495
Hunter-Lab	29.1520, 50.3301, -145.2796

Details

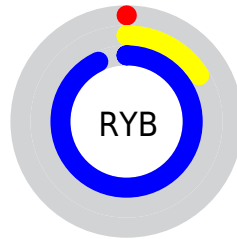
The CIELCh color **35, 110.879, 302.384** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **78, 80.454, 86.377**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 88.886, 301.595**, and **21, 102.253, 306.080** is the 20% darker color. If you saturate the color by 10%, you get **35, 110.865, 302.404**, and if you desaturate by 10%, it is **39, 100.127, 299.701**.

Distribution



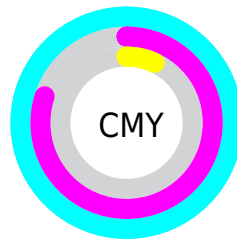
- Red (0%)
- Green (20%)
- Blue (93%)



- Red (0%)
- Yellow (16%)
- Blue (93%)



- Cyan (100%)
- Magenta (79%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (80%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 110.879, 302.384 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, 110.879, 302.384 by changing the saturation by 10% instead.


 35, 110.879,
302.384


 35, 110.879,
302.384


 100, 110.879,
302.384


 25, 110.879,
302.384


 55, 110.879,
302.384


 15, 110.879,
302.384


 65, 110.879,
302.384

 5, 110.879,
302.384

 75, 110.879,
302.384

 0, 110.879,
302.384

 85, 110.879,
302.384

 95, 110.879,
302.384

■ 35, 110.879,
302.384

■ 35, 110.879,
302.384

■ 35, 110.865,
302.404

■ 39, 100.127,
299.701

■ 44, 88.245,
296.657

■ 49, 76.091,
293.588

■ 55, 64.137,
290.703

■ 62, 52.554,
288.110

■ 68, 41.368,
285.843

■ 75, 30.552,
283.893

■ 81, 20.072,

282.227

■ 88, 9.900, 280.811

Harmonies

Complementary

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



35, 110.879, 302.384



78, 80.454, 86.377

Rectangle

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



35, 110.879, 302.384



35, 110.879, 352.384



35, 110.879, 122.384



35, 110.879, 172.384

Sweetspot

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



35, 110.865, 302.404



79, 32.342, 283.914



84, 60.499, 168.856



39, 22.208, 284.704



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, 110.865, 302.404



38, 117.283, 302.503



33, 123.726, 307.980



47, 5.659, 280.744



26, 90.035, 301.967



5, 32.203, 294.472

Inverse Universe

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



50, 88.072, 29.371



54, 93.050, 29.598



87, 96.582, 119.286



47, 5.185, 3.050



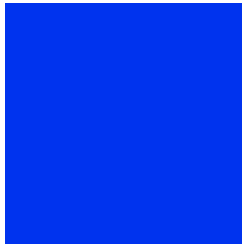
38, 71.956, 28.383



8, 28.964, 14.935

Previews

White Background



This preview shows how the CIE LCh color 35, 110.879, 302.384 looks on a white background.

Color Contrast Check

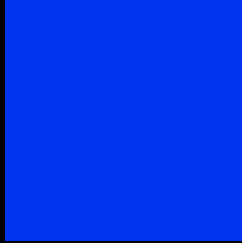
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 35, 110.879, 302.384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

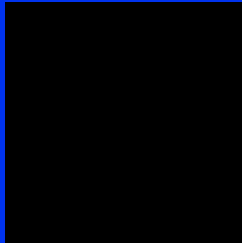
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 110.879, 302.384

Background



This preview shows how black text looks on a background with the CIELCh color 35, 110.879, 302.384.



This preview shows how white text looks on a background with the CIELCh color 35, 110.879, 302.384.

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, 110.879, 302.384

Protanopia

35, 54.491, 285.968

Deuteranopia

35, 37.575, 271.733



Tritanopia
35, 23.060, 202.832

Trichromacy



Original Color
35, 110.879, 302.384

Protanomaly
34, 75.950, 295.184

Deuteranomaly
33, 64.854, 291.619

Tritanomaly
32, 45.487, 281.438

Monochromacy



Original Color
35, 110.879, 302.384

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 44.431, 292.520

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 110.879, 302.384 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(0, 51, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 51, 238)  
}
```

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(0, 51, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 51, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 110.879, 302.384 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(0, 51, 238) }
```

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

```
.border{ border-color:rgb(0, 51, 238) }
```

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

Here you see how a box with a 4 pixel rgb(0, 51, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 51, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 51, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 51, 238)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 110.879, 302.384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 51, 238) }
```

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

```
.background{ background-color: rgb(0, 51,  
238) }
```

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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