

Converting Colors

CIELCh(35, 99.718, 300.366)

Have a look what the booklet for
CIELCh(35, 99.718, 300.366)
contains.

CIELCh(35, 99.470, 300.435)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(35, 99.470, 300.435)

Conversions

Conversions Part 1

Format	Color
Hex	003BE0
RGB	0, 59, 224
RGB Percent	0%, 23%, 88%
CMY	1.0000, 0.7688, 0.1218
CMYK	1.00, 0.74, 0.00, 0.12
HSL	224°, 100%, 44%
HSV	224°, 100%, 88%
XYZ	15.0023, 8.4984, 71.3228
YIQ	60.1690, -88.1290, 38.8070

Conversions

Conversions Part 2

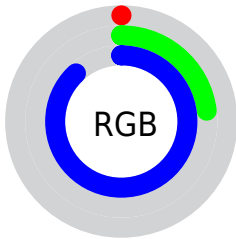
Format	Color
R _Y B	0, 47, 224
Decimal	15328
CIE Lab	35.00, 50.39, -85.76
CIE LCh	35, 99.470, 300.435
Yxy	8.4984, 0.1582, 0.0896
Android (android.graphics.Color)	4278205408 (0xFF003BE0)
YUV	60.1690, 80.7687, -52.7682
Hunter-Lab	29.1520, 40.8442, -124.6515

Details

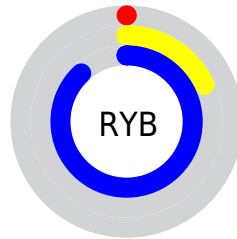
The CIELCh color **35, 99.470, 300.435** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **71, 75.634, 81.900**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 84.722, 299.458**, and **21, 92.760, 304.910** is the 20% darker color. If you saturate the color by 10%, you get **35, 99.469, 300.441**, and if you desaturate by 10%, it is **39, 89.170, 297.373**.

Distribution



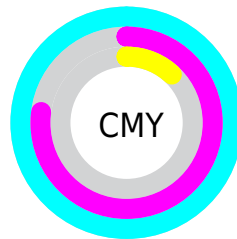
- Red (0%)
- Green (23%)
- Blue (88%)



- Red (0%)
- Yellow (18%)
- Blue (88%)



- Cyan (100%)
- Magenta (74%)
- Yellow (0%)
- Black (12%)





- Cyan (100%)
- Magenta (77%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 99.470, 300.435 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, 99.470, 300.435 by changing the saturation by 10% instead.


 35, 99.470,
300.435


 35, 99.470,
300.435

 100, 99.470,
300.435


 25, 99.470,
300.435

 55, 99.470,
300.435


 15, 99.470,
300.435


 65, 99.470,
300.435

 5, 99.470, 300.435

 75, 99.470,
300.435

 0, 99.470, 300.435

 85, 99.470,
300.435

 95, 99.470,
300.435

■ 35, 99.470,
300.435

■ 35, 99.470,
300.435

■ 35, 99.469,
300.441

■ 39, 89.170,
297.373

■ 44, 78.368,
294.066

■ 49, 67.584,
290.821

■ 54, 57.064,
287.814

■ 60, 46.871,
285.133

■ 66, 36.990,
282.799

■ 72, 27.390,
280.792

■ 77, 18.040,

279.077

■ 83, 8.918, 277.618

Harmonies

Complementary

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



35, 99.470, 300.435



71, 75.634, 81.900

Rectangle

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



35, 99.470, 300.435



35, 99.470, 350.435



35, 99.470, 120.435



35, 99.470, 170.435

Sweetspot

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



35, 99.469, 300.441



80, 30.442, 280.832



80, 61.642, 164.328



40, 20.881, 281.649



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, 99.469, 300.441



40, 110.496, 300.662



30, 119.109, 307.471



44, 5.070, 277.544



27, 81.781, 299.941



5, 25.878, 289.379

Inverse Universe

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



47, 81.458, 25.135



54, 90.145, 25.588



83, 90.980, 116.655



44, 5.012, 359.400



37, 67.573, 24.129



6, 25.308, 9.593

Previews

White Background



This preview shows how the CIE LCh color 35, 99.470, 300.435 looks on a white background.

Color Contrast Check

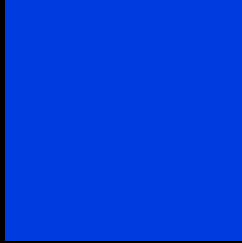
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.470, 300.435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

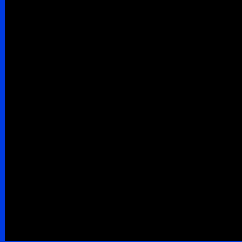
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 99.470, 300.435

Background



This preview shows how black text looks on a background with the CIELCh color 35, 99.470, 300.435.



This preview shows how white text looks on a background with the CIELCh color 35, 99.470, 300.435.

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, 99.470, 300.435

Protanopia

35, 55.065, 286.249

Deuteranopia

35, 38.102, 272.340



Tritanopia
35, 22.962, 204.486

Trichromacy



Original Color
35, 99.470, 300.435

Protanomaly
35, 71.707, 293.627

Deuteranomaly
34, 60.556, 289.494

Tritanomaly
33, 41.428, 277.339

Monochromacy



Original Color
35, 99.470, 300.435

Achromatopsia
25, 0.004, 296.813

Achromatomaly
27, 39.075, 288.982

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 99.470, 300.435 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, 59, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 59, 224)  
}
```

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, 59, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 59, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 99.470, 300.435 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, 59, 224) }
```

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

```
.border{ border-color:rgb(0, 59, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 59, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 59, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 59, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 59, 224)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 99.470, 300.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 59, 224) }
```

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

```
.background{ background-color: rgb(0, 59,  
224) }
```

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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