

Converting Colors

CIELCh(35, 81.686, 296.496)

Have a look what the booklet for
CIELCh(35, 81.686, 296.496)
contains.

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Color

CIELCh(35, 81.500, 296.410)

Conversions

Conversions Part 1

Format	Color
Hex	0145CA
RGB	1, 69, 202
RGB Percent	0%, 27%, 79%
CMY	0.9957, 0.7300, 0.2086
CMYK	0.99, 0.66, 0.00, 0.21
HSL	220°, 99%, 40%
HSV	220°, 99%, 79%
XYZ	12.7687, 8.4984, 56.7208
YIQ	63.8300, -83.2210, 26.9470

Conversions

Conversions Part 2

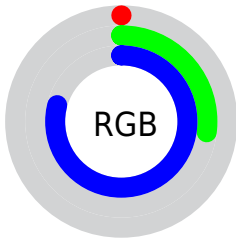
Format	Color
RYP	1, 52, 202
Decimal	83402
CIELab	35.00, 36.25, -72.99
CIElCh	35, 81.500, 296.410
Yxy	8.4984, 0.1637, 0.1090
Android (android.graphics.Color)	4278273482 (0xFF0145CA)
YUV	63.8300, 68.1178, -55.1019
Hunter-Lab	29.1520, 27.1676, -94.9537

Details

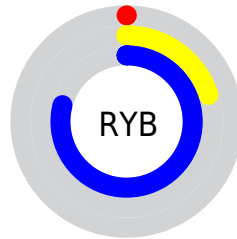
The CIELCh color **35, 81.500, 296.410** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **61, 69.019, 75.187**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 78.687, 296.038**, and **20, 77.776, 302.498** is the 20% darker color. If you saturate the color by 10%, you get **35, 81.982, 296.589**, and if you desaturate by 10%, it is **39, 72.623, 292.854**.

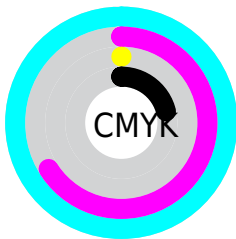
Distribution



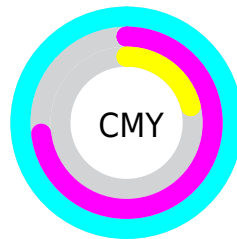
- Red (0%)
- Green (27%)
- Blue (79%)



- Red (0%)
- Yellow (20%)
- Blue (79%)



- Cyan (99%)
- Magenta (66%)
- Yellow (0%)
- Black (21%)





- Cyan (100%)
- Magenta (73%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 81.500, 296.410 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, 81.500, 296.410 by changing the saturation by 10% instead.


 35, 81.500,
296.410


 35, 81.500,
296.410

 100, 81.500,
296.410


 25, 81.500,
296.410

 55, 81.500,
296.410


 15, 81.500,
296.410


 65, 81.500,
296.410

 5, 81.500, 296.410

 75, 81.500,
296.410

 0, 81.500, 296.410

 85, 81.500,
296.410

 95, 81.500,
296.410

■ 35, 81.500,
296.410

■ 35, 81.500,
296.410

■ 35, 81.982,
296.589

■ 39, 72.623,
292.854

■ 43, 63.770,
289.203

■ 47, 55.110,
285.732

■ 52, 46.685,
282.575

■ 57, 38.472,
279.791

■ 62, 30.435,
277.380

■ 67, 22.543,
275.314

■ 72, 14.777,

273.551

■ 77, 7.131, 272.056

Harmonies

Complementary

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



35, 81.500, 296.410



61, 69.019, 75.187

Rectangle

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



35, 81.500, 296.410



35, 81.500, 346.410



35, 81.500, 116.410



35, 81.500, 166.410

Sweetspot

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



35, 81.501, 296.412



82, 27.783, 275.498



72, 62.993, 158.078



41, 19.018, 276.355



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, 81.501, 296.412



44, 99.204, 297.092



25, 110.894, 306.830



40, 4.316, 272.049



28, 69.784, 296.062



4, 18.124, 281.832

Inverse Universe

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



43, 72.269, 17.744



54, 86.738, 18.878



77, 82.389, 111.918



40, 4.807, 354.235



35, 62.383, 17.152



4, 18.724, 2.974

Previews

White Background



This preview shows how the CIE LCh color 35, 81.500, 296.410 looks on a white background.

Color Contrast Check

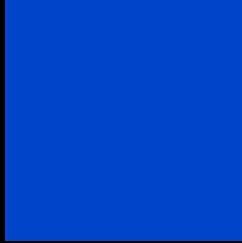
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.500, 296.410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

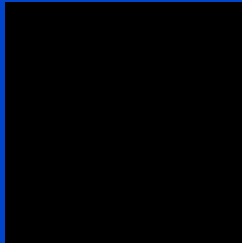
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 81.500, 296.410

Background



This preview shows how black text looks on a background with the CIELCh color 35, 81.500, 296.410.



This preview shows how white text looks on a background with the CIELCh color 35, 81.500, 296.410.

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, 81.507, 296.385

Protanopia

35, 55.065, 286.249

Deuteranopia

35, 38.101, 271.987



Tritanopia
35, 22.962, 204.486

Trichromacy



Original Color
35, 81.507, 296.385

Protanomaly
35, 65.155, 291.133

Deuteranomaly
35, 53.343, 285.388

Tritanomaly
34, 34.466, 268.095

Monochromacy



Original Color
35, 81.507, 296.385

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 31.352, 282.670

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 81.500, 296.410 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(1, 69, 202)` looks like.

```
.text, #text, p{  
    color:rgb(1, 69, 202)  
}
```

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(1, 69, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 69, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 81.500, 296.410 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(1, 69, 202) }
```

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

```
.border{ border-color:rgb(1, 69, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 69, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 69, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 69, 202);  
box-shadow:4px 4px 4px 4px rgb(1, 69, 202)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 81.500, 296.410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 69, 202) }
```

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

```
.background{ background-color: rgb(1, 69,  
202) }
```

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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