

Converting Colors

CIELCh(35, 80.365, 301.325)

Have a look what the booklet for
CIELCh(35, 80.365, 301.325)
contains.

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Color

CIELCh(35, 79.896, 301.205)

Conversions

Conversions Part 1

Format	Color
Hex	3F3FC2
RGB	63, 63, 194
RGB Percent	25%, 25%, 76%
CMY	0.7531, 0.7531, 0.2394
CMYK	0.68, 0.68, 0.00, 0.24
HSL	240°, 52%, 50%
HSV	240°, 68%, 76%
XYZ	13.5537, 8.4984, 51.9370
YIQ	77.9340, -42.0510, 40.7410

Conversions

Conversions Part 2

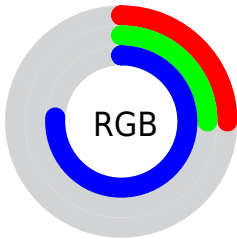
Format	Color
RYB	63, 63, 194
Decimal	4145090
CIELab	35.00, 41.39, -68.34
CIElCh	35, 79.896, 301.205
Yxy	8.4984, 0.1832, 0.1149
Android (android.graphics.Color)	4282335170 (0xFF3F3FC2)
YUV	77.9340, 57.2205, -13.0971
Hunter-Lab	29.1520, 31.9742, -85.2243

Details

The CIELCh color **35, 79.896, 301.205** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **76, 64.715, 104.108**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 80.421, 301.252**, and **17, 77.811, 303.721** is the 20% darker color. If you saturate the color by 10%, you get **30, 91.934, 303.327**, and if you desaturate by 10%, it is **41, 67.104, 299.003**.

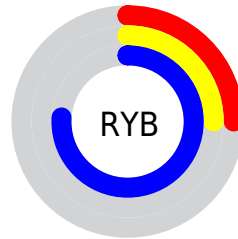
Distribution



Red (25%)

Green (25%)

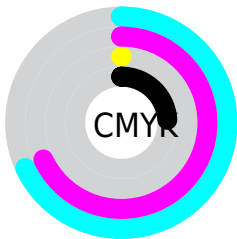
Blue (76%)



Red (25%)

Yellow (25%)

Blue (76%)

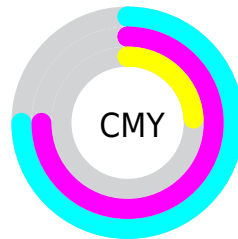


Cyan (68%)

Magenta (68%)

Yellow (0%)

Black (24%)



Cyan (75%)


Magenta (75%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 79.896, 301.205 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, 79.896, 301.205 by changing the saturation by 10% instead.


 35, 79.896,
301.205


 35, 79.896,
301.205

 100, 79.896,
301.205


 25, 79.896,
301.205

 55, 79.896,
301.205


 15, 79.896,
301.205


 65, 79.896,
301.205

 5, 79.896, 301.205

 75, 79.896,
301.205

 0, 79.896, 301.205

 85, 79.896,
301.205

 95, 79.896,
301.205

■ 35, 79.896,
301.205

■ 35, 79.896,
301.205

■ 30, 91.934,
303.327

■ 41, 67.104,
299.003

■ 26, 101.715,
305.044

■ 47, 54.374,
296.927

■ 24, 107.695,
306.078

■ 54, 42.037,
295.075

■ 23, 108.910,
306.286

■ 60, 30.189,
293.470

■ 67, 18.834,
292.100

■ 73, 7.942, 290.941

■ 80, 2.521, 109.921

■ 87, 12.588,
109.103

■ 93, 22.288,
108.390

Harmonies

Complementary

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



35, 79.896, 301.205



76, 64.715, 104.108

Rectangle

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



35, 79.896, 301.205



35, 79.896, 351.205



35, 79.896, 121.205



35, 79.896, 171.205

Sweetspot

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



35, 79.896, 301.206



83, 26.744, 292.458



72, 36.306, 194.791



42, 18.505, 292.845



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, 79.896, 301.206



37, 118.231, 304.213



41, 78.198, 311.895



37, 5.984, 291.137



18, 94.719, 306.286



1, 19.478, 291.132

Inverse Universe

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



46, 59.929, 29.567



55, 89.575, 34.615



72, 70.256, 125.725



38, 4.187, 19.912



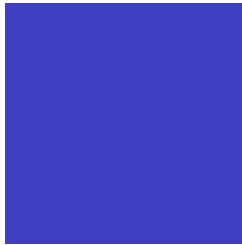
33, 73.724, 39.720



3, 13.999, 19.399

Previews

White Background



This preview shows how the CIE LCh color 35, 79.896, 301.205 looks on a white background.

Color Contrast Check

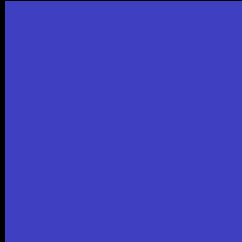
Large Text (above 18pt) WCAG AA ✓ Pass

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, 79.896, 301.205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

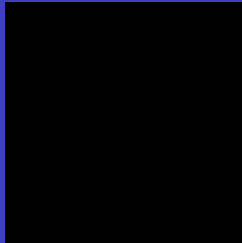
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 79.896, 301.205

Background



This preview shows how black text looks on a background with the CIELCh color 35, 79.896, 301.205.



This preview shows how white text looks on a background with the CIELCh color 35, 79.896, 301.205.

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, 79.896, 301.205

Protanopia

35, 55.065, 286.249

Deuteranopia

35, 38.632, 272.931



Tritanopia
35, 22.819, 207.830

Trichromacy



Original Color
35, 79.896, 301.205

Protanomaly
34, 64.571, 292.475

Deuteranomaly
34, 53.888, 287.974

Tritanomaly
33, 34.335, 272.450

Monochromacy



Original Color
35, 79.896, 301.205

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 29.631, 295.088

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 79.896, 301.205 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(63, 63, 194)` looks like.

```
.text, #text, p{  
    color:rgb(63, 63, 194)  
}
```

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(63, 63, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 63, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 79.896, 301.205 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(63, 63, 194) }
```

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

```
.border{ border-color:rgb(63, 63, 194) }
```

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

Here you see how a box with a 4 pixel rgb(63, 63, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 63, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 63, 194);  
box-shadow:4px 4px 4px 4px rgb(63, 63,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 79.896, 301.205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 63, 194) }
```

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

```
.background{ background-color: rgb(63, 63,  
194) }
```

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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