

Converting Colors

CIELCh(35, 85.167, 303.544)

Have a look what the booklet for
CIELCh(35, 85.167, 303.544)
contains.

CIELCh(35, 85.317, 303.471)	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>	26

Color

CIELCh(35, 85.317, 303.471)

Conversions

Conversions Part 1

Format	Color
Hex	483AC7
RGB	72, 58, 199
RGB Percent	28%, 23%, 78%
CMY	0.7184, 0.7731, 0.2202
CMYK	0.64, 0.71, 0.00, 0.22
HSL	246°, 56%, 50%
HSV	246°, 71%, 78%
XYZ	14.4538, 8.4984, 54.8121
YIQ	78.2600, -36.9170, 46.8190

Conversions

Conversions Part 2

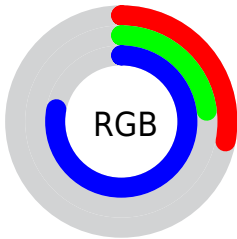
Format	Color
R _Y B	72, 58, 199
Decimal	4733639
CIE Lab	35.00, 47.05, -71.17
CIE LCh	35, 85.317, 303.471
Yxy	8.4984, 0.1859, 0.1093
Android (android.graphics.Color)	4282923719 (0xFF483AC7)
YUV	78.2600, 59.5248, -5.4900
Hunter-Lab	29.1520, 37.4858, -91.0717

Details

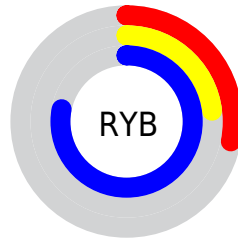
The CIELCh color **35, 85.317, 303.471** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **77, 68.721, 108.916**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 84.352, 303.568**, and **17, 83.628, 305.053** is the 20% darker color. If you saturate the color by 10%, you get **30, 96.770, 304.990**, and if you desaturate by 10%, it is **41, 72.661, 301.780**.

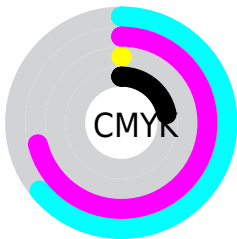
Distribution



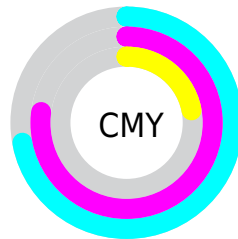
- Red (28%)
- Green (23%)
- Blue (78%)



- Red (28%)
- Yellow (23%)
- Blue (78%)



- Cyan (64%)
- Magenta (71%)
- Yellow (0%)
- Black (22%)





- Cyan (72%)
- Magenta (77%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 85.317, 303.471 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, 85.317, 303.471 by changing the saturation by 10% instead.


 35, 85.317,
303.471


 35, 85.317,
303.471


 100, 85.317,
303.471


 25, 85.317,
303.471

 55, 85.317,
303.471


 15, 85.317,
303.471


 65, 85.317,
303.471

 5, 85.317, 303.471

 75, 85.317,
303.471

 0, 85.317, 303.471

 85, 85.317,
303.471

 95, 85.317,
303.471

■ 35, 85.317,
303.471

■ 35, 85.317,
303.471

■ 30, 96.770,
304.990

■ 41, 72.661,
301.780

■ 27, 105.487,
306.058

■ 47, 59.770,
300.114

■ 25, 110.409,
306.592

■ 53, 47.115,
298.578

■ 60, 34.880,
297.216

■ 66, 23.116,
296.031

■ 73, 11.819,
295.013

■ 80, 0.966, 294.166

■ 86, 9.474, 113.389

■ 93, 19.528,
112.752

Harmonies

Complementary

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



35, 85.317, 303.471



77, 68.721, 108.916

Rectangle

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



35, 85.317, 303.471



35, 85.317, 353.471



35, 85.317, 123.471



35, 85.317, 173.471

Sweetspot

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



35, 85.318, 303.472



83, 28.448, 296.076



70, 34.446, 207.801



42, 19.365, 296.393



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, 85.318, 303.472



37, 122.875, 305.635



42, 83.006, 314.792



38, 6.133, 294.872



19, 95.267, 306.650



1, 21.564, 294.356

Inverse Universe

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



50, 78.183, 331.236



60, 103.802, 331.983



73, 76.653, 129.049



39, 6.898, 327.753



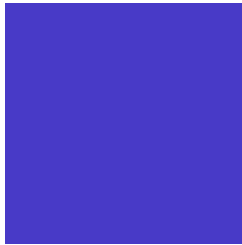
38, 76.635, 332.564



4, 24.552, 330.532

Previews

White Background



This preview shows how the CIELCh color 35, 85.317, 303.471 looks on a white background.

Color Contrast Check

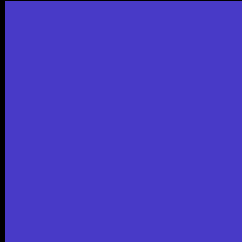
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.317, 303.471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

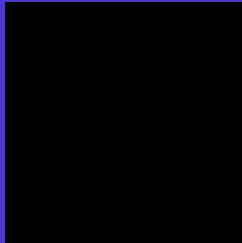
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 85.317, 303.471

Background



This preview shows how black text looks on a background with the CIELCh color 35, 85.317, 303.471.



This preview shows how white text looks on a background with the CIELCh color 35, 85.317, 303.471.

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



Trichromacy



Original Color
35, 85.317, 303.471

Protanomaly
34, 67.017, 293.782

Tritanomaly
33, 36.423, 276.203

Monochromacy



Original Color
35, 85.317, 303.471

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 32.265, 298.441

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 85.317, 303.471 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(72, 58, 199)` looks like.

```
.text, #text, p{  
    color:rgb(72, 58, 199)  
}
```

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(72, 58, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 58, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 85.317, 303.471 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(72, 58, 199) }
```

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

```
.border{ border-color:rgb(72, 58, 199) }
```

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

Here you see how a box with a 4 pixel rgb(72, 58, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 58, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 58, 199);  
box-shadow:4px 4px 4px 4px rgb(72, 58,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 85.317, 303.471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 58, 199) }
```

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

```
.background{ background-color: rgb(72, 58,  
199) }
```

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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