

Converting Colors

CIELCh(35, 83.776, 301.667)

Have a look what the booklet for
CIELCh(35, 83.776, 301.667)
contains.

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Color

CIELCh(35, 83.874, 301.737)

Conversions

Conversions Part 1

Format	Color
Hex	3E3DC7
RGB	62, 61, 199
RGB Percent	24%, 24%, 78%
CMY	0.7564, 0.7605, 0.2193
CMYK	0.69, 0.69, 0.00, 0.22
HSL	240°, 55%, 51%
HSV	240°, 69%, 78%
XYZ	13.9823, 8.4984, 54.9818
YIQ	77.0310, -43.7020, 43.1300

Conversions

Conversions Part 2

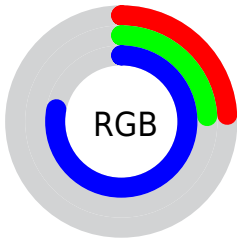
Format	Color
R _Y B	62, 61, 199
Decimal	4079047
CIE Lab	35.00, 44.12, -71.33
CIE LCh	35, 83.874, 301.737
Yxy	8.4984, 0.1805, 0.1097
Android (android.graphics.Color)	4282269127 (0xFF3E3DC7)
YUV	77.0310, 60.1307, -13.1822
Hunter-Lab	29.1520, 34.5988, -91.4168

Details

The CIELCh color **35, 83.874, 301.737** 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 **78, 67.388, 104.375**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 82.620, 301.665**, and **17, 81.695, 304.387** is the 20% darker color. If you saturate the color by 10%, you get **30, 95.853, 303.771**, and if you desaturate by 10%, it is **41, 70.886, 299.569**.

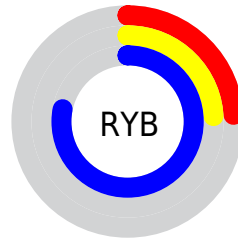
Distribution



Red (24%)

Green (24%)

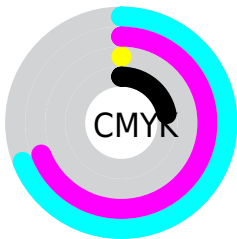
Blue (78%)



Red (24%)

Yellow (24%)

Blue (78%)

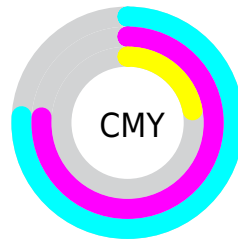


Cyan (69%)

Magenta (69%)

Yellow (0%)

Black (22%)



Cyan (76%)


Magenta (76%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 83.874, 301.737 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, 83.874, 301.737 by changing the saturation by 10% instead.


 35, 83.874,
301.737


 35, 83.874,
301.737

 100, 83.874,
301.737


 25, 83.874,
301.737

 55, 83.874,
301.737


 15, 83.874,
301.737


 65, 83.874,
301.737

 5, 83.874, 301.737

 75, 83.874,
301.737

 0, 83.874, 301.737

 85, 83.874,
301.737

 95, 83.874,
301.737

■ 35, 83.874,
301.737

■ 35, 83.874,
301.737

■ 30, 95.853,
303.771

■ 41, 70.886,
299.569

■ 26, 105.182,
305.339

■ 47, 57.844,
297.493

■ 24, 110.687,
306.252

■ 54, 45.160,
295.625

■ 24, 111.018,
306.308

■ 61, 32.965,
293.998

■ 67, 21.275,
292.605

■ 74, 10.064,
291.424

■ 81, 0.701, 110.327

■ 87, 11.054,
109.555

■ 94, 21.027,
108.831

Harmonies

Complementary

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



35, 83.874, 301.737



78, 67.388, 104.375

Rectangle

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



35, 83.874, 301.737



35, 83.874, 351.737



35, 83.874, 121.737



35, 83.874, 171.737

Sweetspot

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



35, 83.875, 301.738



83, 28.377, 292.863



74, 37.242, 196.688



42, 19.319, 293.243



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, 83.875, 301.738



37, 121.535, 304.617



42, 81.724, 312.414



38, 6.115, 291.430



19, 95.787, 306.313



1, 21.512, 291.946

Inverse Universe

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



51, 82.046, 327.985



62, 109.842, 328.346



74, 73.588, 126.306



39, 7.345, 325.135



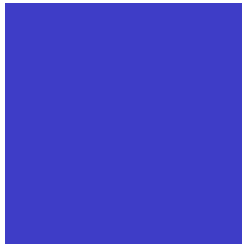
39, 82.276, 328.532



4, 26.571, 327.268

Previews

White Background



This preview shows how the CIE LCh color 35, 83.874, 301.737 looks on a white background.

Color Contrast Check

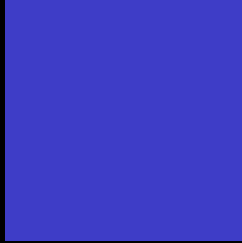
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.874, 301.737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

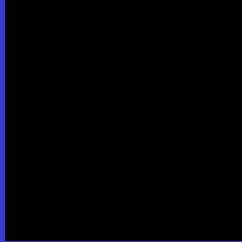
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 83.874, 301.737

Background



This preview shows how black text looks on a background with the CIELCh color 35, 83.874, 301.737.



This preview shows how white text looks on a background with the CIELCh color 35, 83.874, 301.737.

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, 83.874, 301.737

Protanopia

35, 55.065, 286.249

Deuteranopia

35, 38.632, 272.931



Tritanopia
35, 22.882, 206.153

Trichromacy



Original Color
35, 83.874, 301.737

Protanomaly
34, 66.387, 293.195

Deuteranomaly
34, 54.470, 288.224

Tritanomaly
33, 35.416, 274.095

Monochromacy



Original Color
35, 83.874, 301.737

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 31.618, 296.043

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 83.874, 301.737 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(62, 61, 199)` looks like.

```
.text, #text, p{  
    color:rgb(62, 61, 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(62, 61, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 61, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 83.874, 301.737 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(62, 61, 199) }
```

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

```
.border{ border-color:rgb(62, 61, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 61, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 61, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 61, 199);  
box-shadow:4px 4px 4px 4px rgb(62, 61,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 83.874, 301.737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 61, 199) }
```

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

```
.background{ background-color: rgb(62, 61,  
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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