

Converting Colors

CIELCh(35, 82.583, 301.062)

Have a look what the booklet for
CIELCh(35, 82.583, 301.062)
contains.

CIELCh(35, 82.813, 301.162)	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, 82.813, 301.162)

Conversions

Conversions Part 1

Format	Color
Hex	3B3EC6
RGB	59, 62, 198
RGB Percent	23%, 24%, 78%
CMY	0.7672, 0.7560, 0.2225
CMYK	0.70, 0.69, 0.00, 0.22
HSL	239°, 55%, 51%
HSV	239°, 70%, 78%
XYZ	13.7819, 8.4984, 54.4977
YIQ	76.6070, -45.4440, 41.6600

Conversions

Conversions Part 2

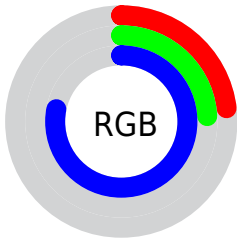
Format	Color
R_{YB}	59, 62, 198
Decimal	3882694
CIE _{Lab}	35.00, 42.85, -70.86
CIE _{LCh}	35, 82.813, 301.162
Y _{xy}	8.4984, 0.1795, 0.1107
Android (android.graphics.Color)	4282072774 (0xFF3B3EC6)
YUV	76.6070, 59.8467, -15.4413
Hunter-Lab	29.1520, 33.3717, -90.4324

Details

The CIELCh color **35, 82.813, 301.162** 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, 66.623, 102.904**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 82.654, 301.182**, and **18, 80.312, 304.041** is the 20% darker color. If you saturate the color by 10%, you get **30, 94.696, 303.329**, and if you desaturate by 10%, it is **41, 70.052, 298.885**.

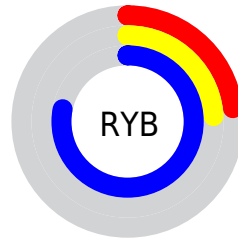
Distribution



Red (23%)

Green (24%)

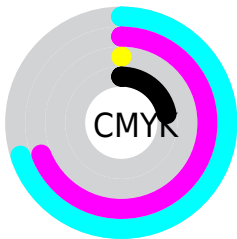
Blue (78%)



Red (23%)

Yellow (24%)

Blue (78%)

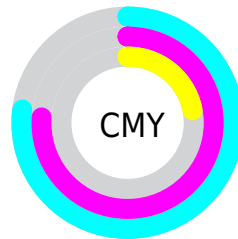


Cyan (70%)

Magenta (69%)

Yellow (0%)

Black (22%)



Cyan (77%)


Magenta (76%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 82.813, 301.162 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, 82.813, 301.162 by changing the saturation by 10% instead.


 35, 82.813,
301.162


 35, 82.813,
301.162


 100, 82.813,
301.162


 25, 82.813,
301.162

 55, 82.813,
301.162


 15, 82.813,
301.162


 65, 82.813,
301.162

 5, 82.813, 301.162

 75, 82.813,
301.162

 0, 82.813, 301.162

 85, 82.813,
301.162

 95, 82.813,
301.162

■ 35, 82.813,
301.162

■ 35, 82.813,
301.162

■ 30, 94.696,
303.329

■ 41, 70.052,
298.885

■ 26, 104.156,
305.054

■ 47, 57.290,
296.718

■ 24, 109.804,
306.060

■ 54, 44.898,
294.773

■ 60, 32.987,
293.082

■ 67, 21.565,
291.635

■ 73, 10.604,
290.408

■ 80, 0.071, 290.361

■ 86, 10.067,
108.462

■ 93, 19.840,
107.707

Harmonies

Complementary

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



35, 82.813, 301.162



77, 66.623, 102.904

Rectangle

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



35, 82.813, 301.162



35, 82.813, 351.162



35, 82.813, 121.162



35, 82.813, 171.162

Sweetspot

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



35, 82.814, 301.163



83, 27.763, 291.804



73, 38.001, 192.766



42, 18.899, 292.194



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, 82.814, 301.163



37, 120.898, 304.302



40, 82.332, 311.531



38, 5.986, 290.333



19, 94.829, 306.000



1, 21.196, 291.230

Inverse Universe

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



46, 62.797, 29.053



55, 92.229, 34.613



73, 73.252, 125.116



39, 4.278, 18.259



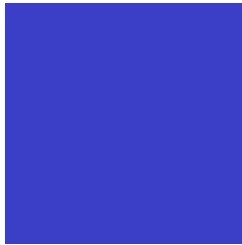
34, 73.817, 38.946



3, 15.891, 18.338

Previews

White Background



This preview shows how the CIE LCh color 35, 82.813, 301.162 looks on a white background.

Color Contrast Check

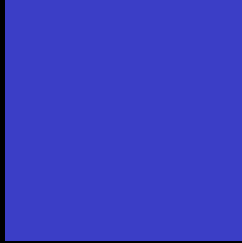
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.813, 301.162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

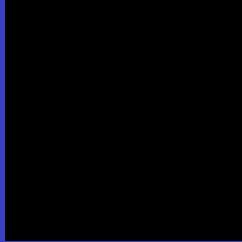
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 82.813, 301.162

Background



This preview shows how black text looks on a background with the CIELCh color 35, 82.813, 301.162.



This preview shows how white text looks on a background with the CIELCh color 35, 82.813, 301.162.

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, 82.813, 301.162

Protanopia

35, 55.065, 286.249

Deuteranopia

35, 38.632, 272.931



Tritanopia
35, 22.882, 206.153

Trichromacy



Original Color
35, 82.813, 301.162

Protanomaly
34, 65.158, 292.576

Deuteranomaly
34, 54.484, 288.132

Tritanomaly
34, 34.910, 272.898

Monochromacy



Original Color
35, 82.813, 301.162

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 30.934, 294.719

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 82.813, 301.162 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(59, 62, 198)` looks like.

```
.text, #text, p{  
    color:rgb(59, 62, 198)  
}
```

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(59, 62, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 62, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 82.813, 301.162 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(59, 62, 198) }
```

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

```
.border{ border-color:rgb(59, 62, 198) }
```

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

Here you see how a box with a 4 pixel rgb(59, 62, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 62, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 62, 198);  
box-shadow:4px 4px 4px 4px rgb(59, 62,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 82.813, 301.162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 62, 198) }
```

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

```
.background{ background-color: rgb(59, 62,  
198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor