

Converting Colors

CIELCh(35, 82.983, 299.687)

Have a look what the booklet for
CIELCh(35, 82.983, 299.687)
contains.

CIELCh(35, 82.958, 299.770)	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, 82.958, 299.770)

Conversions

Conversions Part 1

Format	Color
Hex	3040C8
RGB	48, 64, 200
RGB Percent	19%, 25%, 78%
CMY	0.8106, 0.7484, 0.2149
CMYK	0.76, 0.68, 0.00, 0.21
HSL	234°, 61%, 49%
HSV	234°, 76%, 79%
XYZ	13.5219, 8.4984, 55.6861
YIQ	74.7200, -53.1920, 38.9040

Conversions

Conversions Part 2

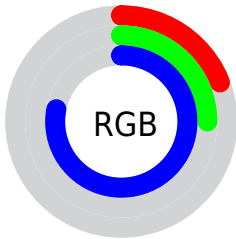
Format	Color
R_{YB}	48, 62, 200
Decimal	3162312
CIE _{Lab}	35.00, 41.19, -72.01
CIE _{LCh}	35, 82.958, 299.770
Yxy	8.4984, 0.1740, 0.1094
Android (android.graphics.Color)	4281352392 (0xFF3040C8)
YUV	74.7200, 61.7630, -23.4334
Hunter-Lab	29.1520, 31.7799, -92.8493

Details

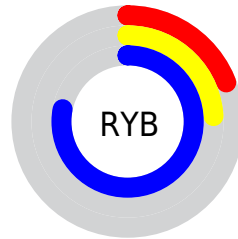
The CIELCh color **35, 82.958, 299.770** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **74, 66.721, 97.670**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 81.508, 299.801**, and **18, 79.898, 303.595** is the 20% darker color. If you saturate the color by 10%, you get **30, 94.164, 302.259**, and if you desaturate by 10%, it is **40, 71.053, 297.183**.

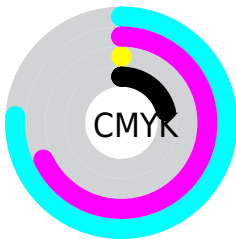
Distribution



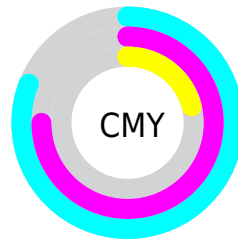
- Red (19%)
- Green (25%)
- Blue (78%)



- Red (19%)
- Yellow (24%)
- Blue (78%)



- Cyan (76%)
- Magenta (68%)
- Yellow (0%)
- Black (21%)





- Cyan (81%)
- Magenta (75%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 82.958, 299.770 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, 82.958, 299.770 by changing the saturation by 10% instead.


 35, 82.958,
299.770


 35, 82.958,
299.770

 100, 82.958,
299.770


 25, 82.958,
299.770

 55, 82.958,
299.770

 15, 82.958,
299.770


 65, 82.958,
299.770

 5, 82.958, 299.770

 75, 82.958,
299.770

 0, 82.958, 299.770

 85, 82.958,
299.770

 95, 82.958,
299.770

■ 35, 82.958,
299.770

■ 35, 82.958,
299.770

■ 30, 94.164,
302.259

■ 40, 71.053,
297.183

■ 27, 103.400,
304.337

■ 46, 59.178,
294.717

■ 26, 106.342,
304.966

■ 52, 47.643,
292.492

■ 58, 36.536,
290.547

■ 65, 25.856,
288.875

■ 71, 15.578,
287.449

■ 77, 5.668, 286.242

■ 83, 3.902, 105.155

■ 89, 13.155,
104.282

Harmonies

Complementary

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



35, 82.958, 299.770



74, 66.721, 97.670

Rectangle

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



35, 82.958, 299.770



35, 82.958, 349.770



35, 82.958, 119.770



35, 82.958, 169.770

Sweetspot

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



35, 82.959, 299.771



83, 27.845, 288.490



73, 42.401, 183.053



41, 19.404, 289.049



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, 82.959, 299.771



37, 120.499, 303.663



37, 89.517, 309.648



39, 5.475, 286.641



20, 90.587, 304.718



2, 19.935, 288.959

Inverse Universe

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



45, 65.800, 25.368



54, 93.601, 32.627



74, 76.481, 121.979



39, 4.311, 11.509



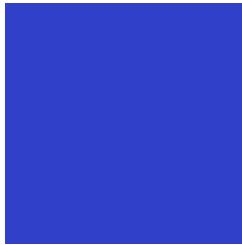
34, 70.471, 35.176



3, 15.976, 14.009

Previews

White Background



This preview shows how the CIE LCh color 35, 82.958, 299.770 looks on a white background.

Color Contrast Check

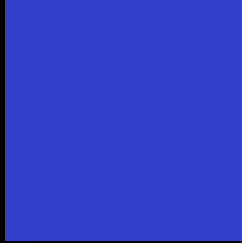
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.958, 299.770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

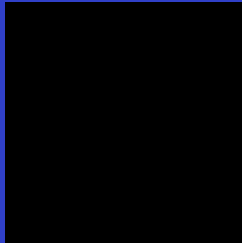
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 82.958, 299.770

Background



This preview shows how black text looks on a background with the CIELCh color 35, 82.958, 299.770.



This preview shows how white text looks on a background with the CIELCh color 35, 82.958, 299.770.

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, 82.958, 299.770

Protanopia

35, 55.065, 286.249

Deuteranopia

35, 38.102, 272.340



Tritanopia
35, 22.882, 206.153

Trichromacy



Original Color
35, 82.958, 299.770

Protanomaly
35, 65.110, 292.105

Deuteranomaly
34, 53.884, 287.264

Tritanomaly
33, 35.577, 272.876

Monochromacy



Original Color
35, 82.958, 299.770

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 31.665, 292.059

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 82.958, 299.770 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(48, 64, 200)` looks like.

```
.text, #text, p{  
    color:rgb(48, 64, 200)  
}
```

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(48, 64, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 64, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 82.958, 299.770 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(48, 64, 200) }
```

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

```
.border{ border-color:rgb(48, 64, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 64, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 64, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 64, 200);  
box-shadow:4px 4px 4px 4px rgb(48, 64,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 82.958, 299.770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 64, 200) }
```

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

```
.background{ background-color: rgb(48, 64,  
200) }
```

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