

Converting Colors

CIELCh(35, 90.683, 301.106)

Have a look what the booklet for
CIELCh(35, 90.683, 301.106)
contains.

CIELCh(35, 90.806, 301.119)	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, 90.806, 301.119)

Conversions

Conversions Part 1

Format	Color
Hex	2F3CD2
RGB	47, 60, 210
RGB Percent	18%, 24%, 82%
CMY	0.8153, 0.7645, 0.1763
CMYK	0.78, 0.71, 0.00, 0.18
HSL	235°, 64%, 50%
HSV	235°, 78%, 82%
XYZ	14.4338, 8.4984, 61.8869
YIQ	73.2130, -55.8980, 43.8940

Conversions

Conversions Part 2

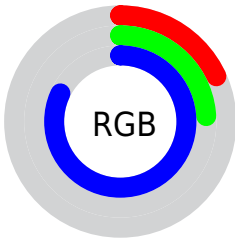
Format	Color
R _Y B	47, 59, 210
Decimal	3095762
CIE Lab	35.00, 46.93, -77.74
CIE LCh	35, 90.806, 301.119
Yxy	8.4984, 0.1702, 0.1002
Android (android.graphics.Color)	4281285842 (0xFF2F3CD2)
YUV	73.2130, 67.4360, -22.9888
Hunter-Lab	29.1520, 37.3630, -105.4607

Details

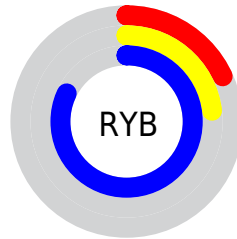
The CIELCh color **35, 90.806, 301.119** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **78, 71.585, 99.032**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 83.925, 300.981**, and **19, 86.578, 304.644** is the 20% darker color. If you saturate the color by 10%, you get **31, 102.071, 303.399**, and if you desaturate by 10%, it is **40, 78.291, 298.627**.

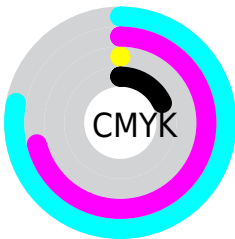
Distribution



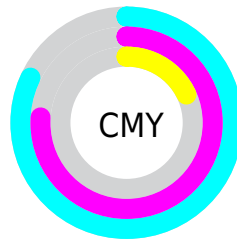
- Red (18%)
- Green (24%)
- Blue (82%)



- Red (18%)
- Yellow (23%)
- Blue (82%)



- Cyan (78%)
- Magenta (71%)
- Yellow (0%)
- Black (18%)





- Cyan (82%)
- Magenta (76%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 90.806, 301.119 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, 90.806, 301.119 by changing the saturation by 10% instead.


 35, 90.806,
301.119


 35, 90.806,
301.119

 100, 90.806,
301.119


 25, 90.806,
301.119

 55, 90.806,
301.119


 15, 90.806,
301.119


 65, 90.806,
301.119

 5, 90.806, 301.119

 75, 90.806,
301.119

 0, 90.806, 301.119

 85, 90.806,
301.119

 95, 90.806,
301.119

■ 35, 90.806,
301.119

■ 35, 90.806,
301.119

■ 31, 102.071,
303.399

■ 40, 78.291,
298.627

■ 27, 110.518,
305.129

■ 47, 65.564,
296.184

■ 27, 112.005,
305.412

■ 53, 53.114,
293.947

■ 59, 41.111,
291.978

■ 66, 29.579,
290.280

■ 73, 18.498,
288.832

■ 79, 7.834, 287.605

■ 86, 2.446, 106.499

■ 92, 12.370,
105.633

Harmonies

Complementary

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



35, 90.806, 301.119



78, 71.585, 99.032

Rectangle

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



35, 90.806, 301.119



35, 90.806, 351.119



35, 90.806, 121.119



35, 90.806, 171.119

Sweetspot

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



35, 90.807, 301.120



82, 28.632, 289.625



77, 43.241, 186.514



41, 19.957, 290.176



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, 90.807, 301.120



35, 124.945, 304.603



38, 94.495, 310.492



41, 5.862, 287.813



21, 94.250, 305.198



2, 24.142, 291.315

Inverse Universe

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



47, 70.750, 27.923



54, 96.642, 34.996



77, 81.401, 123.353



41, 4.477, 13.508



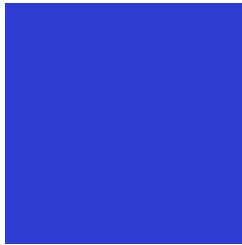
35, 73.252, 36.544



4, 20.039, 15.765

Previews

White Background



This preview shows how the CIE LCh color 35, 90.806, 301.119 looks on a white background.

Color Contrast Check

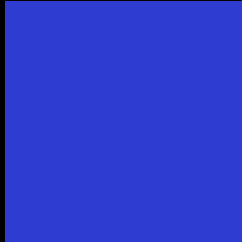
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.806, 301.119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

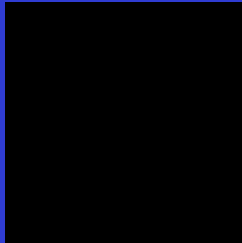
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 90.806, 301.119

Background



This preview shows how black text looks on a background with the CIELCh color 35, 90.806, 301.119.



This preview shows how white text looks on a background with the CIELCh color 35, 90.806, 301.119.

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, 90.806, 301.119

Protanopia

35, 54.491, 285.968

Deuteranopia

35, 38.102, 272.340



Tritanopia
35, 22.962, 204.486

Trichromacy



Original Color
35, 90.806, 301.119

Protanomaly
34, 68.170, 293.321

Deuteranomaly
34, 57.525, 289.204

Tritanomaly
33, 37.237, 274.899

Monochromacy



Original Color
35, 90.806, 301.119

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 34.951, 294.085

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 90.806, 301.119 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(47, 60, 210)` looks like.

```
.text, #text, p{  
    color:rgb(47, 60, 210)  
}
```

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(47, 60, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 60, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 90.806, 301.119 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(47, 60, 210) }
```

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

```
.border{ border-color:rgb(47, 60, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 60, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 60, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 60, 210);  
box-shadow:4px 4px 4px 4px rgb(47, 60,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 90.806, 301.119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 60, 210) }
```

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

```
.background{ background-color: rgb(47, 60,  
210) }
```

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