

Converting Colors

CIELCh(35, 99.068, 301.625)

Have a look what the booklet for
CIELCh(35, 99.068, 301.625)
contains.

CIELCh(35, 99.113, 301.576)	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, 99.113, 301.576)

Conversions

Conversions Part 1

Format	Color
Hex	2239DE
RGB	34, 57, 222
RGB Percent	13%, 22%, 87%
CMY	0.8657, 0.7776, 0.1308
CMYK	0.85, 0.74, 0.00, 0.13
HSL	233°, 74%, 50%
HSV	233°, 85%, 87%
XYZ	15.2553, 8.4984, 69.7036
YIQ	68.9330, -66.6730, 46.4390

Conversions

Conversions Part 2

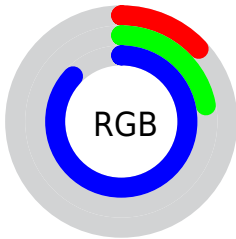
Format	Color
R_{YB}	34, 54, 222
Decimal	2243038
CIE _{Lab}	35.00, 51.90, -84.44
CIE _{LCh}	35, 99.113, 301.576
Yxy	8.4984, 0.1632, 0.0909
Android (android.graphics.Color)	4280433118 (0xFF2239DE)
YUV	68.9330, 75.4620, -30.6362
Hunter-Lab	29.1520, 42.3937, -121.3584

Details

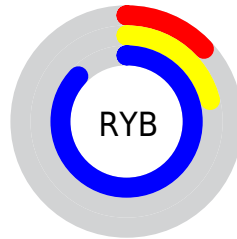
The CIELCh color **35, 99.113, 301.576** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **80, 76.228, 95.794**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 85.186, 300.952**, and **20, 93.155, 305.280** is the 20% darker color. If you saturate the color by 10%, you get **31, 109.586, 303.839**, and if you desaturate by 10%, it is **40, 86.878, 298.968**.

Distribution



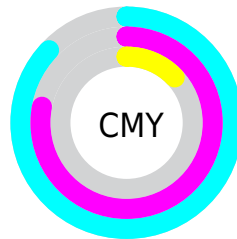
- Red (13%)
- Green (22%)
- Blue (87%)



- Red (13%)
- Yellow (21%)
- Blue (87%)



- Cyan (85%)
- Magenta (74%)
- Yellow (0%)
- Black (13%)





- Cyan (87%)
- Magenta (78%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 99.113, 301.576 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, 99.113, 301.576 by changing the saturation by 10% instead.


 35, 99.113,
301.576


 35, 99.113,
301.576

 100, 99.113,
301.576


 25, 99.113,
301.576


 55, 99.113,
301.576


 15, 99.113,
301.576


 65, 99.113,
301.576

 5, 99.113, 301.576

 75, 99.113,
301.576

 0, 99.113, 301.576

 85, 99.113,
301.576

 95, 99.113,
301.576

■ 35, 99.113,
301.576

■ 35, 99.113,
301.576

■ 31, 109.586,
303.839

■ 40, 86.878,
298.968

■ 29, 114.033,
304.779

■ 46, 74.110,
296.311

■ 52, 61.477,
293.812

■ 59, 49.240,
291.574

■ 65, 37.462,
289.626

■ 72, 26.133,
287.956

■ 79, 15.220,
286.533

■ 85, 4.688, 285.336

Harmonies

Complementary

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



35, 99.113, 301.576



80, 76.228, 95.794

Rectangle

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



35, 99.113, 301.576



35, 99.113, 351.576



35, 99.113, 121.576



35, 99.113, 171.576

Sweetspot

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



35, 99.114, 301.577



81, 29.845, 288.055



80, 48.940, 180.152



41, 20.494, 288.623



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, 99.114, 301.577



34, 127.353, 304.910



37, 105.953, 309.526



43, 5.835, 285.890



22, 93.961, 304.484



3, 27.148, 292.217

Inverse Universe

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



48, 78.092, 28.218



53, 99.017, 35.714



81, 88.145, 121.661



43, 4.688, 10.278



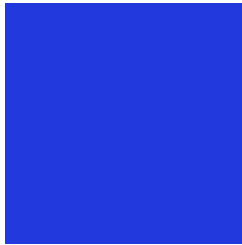
36, 73.170, 34.535



5, 23.723, 15.086

Previews

White Background



This preview shows how the CIE LCh color 35, 99.113, 301.576 looks on a white background.

Color Contrast Check

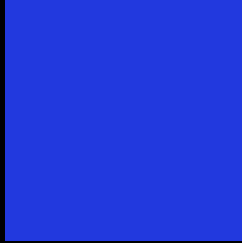
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.113, 301.576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

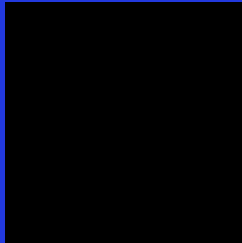
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 99.113, 301.576

Background



This preview shows how black text looks on a background with the CIELCh color 35, 99.113, 301.576.



This preview shows how white text looks on a background with the CIELCh color 35, 99.113, 301.576.

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, 99.136, 301.534

Protanopia

35, 54.491, 285.968

Deuteranopia

35, 37.575, 271.733



Tritanopia
35, 22.962, 204.486

Trichromacy



Original Color
35, 99.136, 301.534

Protanomaly
34, 71.156, 294.070

Deuteranomaly
34, 59.972, 290.051

Tritanomaly
33, 40.684, 277.847

Monochromacy



Original Color
35, 99.136, 301.534

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 38.355, 292.921

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 99.113, 301.576 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(34, 57, 222)` looks like.

```
.text, #text, p{  
    color:rgb(34, 57, 222)  
}
```

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(34, 57, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 57, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 99.113, 301.576 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(34, 57, 222) }
```

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

```
.border{ border-color:rgb(34, 57, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 57, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 57, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 57, 222);  
box-shadow:4px 4px 4px 4px rgb(34, 57,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 99.113, 301.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 57, 222) }
```

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

```
.background{ background-color: rgb(34, 57,  
222) }
```

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