

Converting Colors

CIELCh(34, 99.987, 301.946)

Have a look what the booklet for
CIELCh(34, 99.987, 301.946)
contains.

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Color

CIELCh(34, 99.927, 301.974)

Conversions

Conversions Part 1

Format	Color
Hex	2035DB
RGB	32, 53, 219
RGB Percent	13%, 21%, 86%
CMY	0.8751, 0.7911, 0.1398
CMYK	0.85, 0.76, 0.00, 0.14
HSL	233°, 75%, 49%
HSV	233°, 85%, 86%
XYZ	14.7072, 8.0082, 68.0235
YIQ	65.6450, -65.8020, 47.1740

Conversions

Conversions Part 2

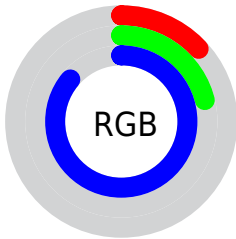
Format	Color
R _{YB}	32, 51, 219
Decimal	2110939
CIE _{Lab}	34.00, 52.91, -84.77
CIE _{LCh}	34, 99.927, 301.974
Yxy	8.0082, 0.1621, 0.0883
Android (android.graphics.Color)	4280301019 (0xFF2035DB)
YUV	65.6450, 75.6040, -29.5067
Hunter-Lab	28.2988, 43.2458, -122.7097

Details

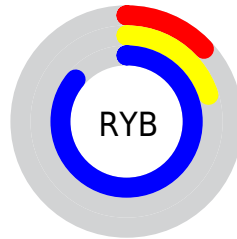
The CIELCh color **34, 99.927, 301.974** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **79, 76.280, 96.106**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 87.643, 301.477**, and **19, 93.227, 305.679** is the 20% darker color. If you saturate the color by 10%, you get **30, 110.001, 304.143**, and if you desaturate by 10%, it is **39, 87.880, 299.418**.

Distribution



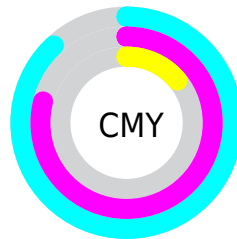
- Red (13%)
- Green (21%)
- Blue (86%)



- Red (13%)
- Yellow (20%)
- Blue (86%)



- Cyan (85%)
- Magenta (76%)
- Yellow (0%)
- Black (14%)




- Cyan (88%)
- Magenta (79%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 99.927, 301.974 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 34, 99.927, 301.974 by changing the saturation by 10% instead.


 34, 99.927,
301.974

 34, 99.927,
301.974

 100, 99.927,
301.974


 24, 99.927,
301.974

 54, 99.927,
301.974

 14, 99.927,
301.974

 64, 99.927,
301.974

 4, 99.927, 301.974

 74, 99.927,
301.974

 0, 99.927, 301.974

 84, 99.927,
301.974

 94, 99.927,
301.974

■ 34, 99.927,
301.974

■ 34, 99.927,
301.974

■ 30, 110.001,
304.143

■ 39, 87.880,
299.418

■ 29, 113.531,
304.878

■ 45, 75.167,
296.778

■ 51, 62.527,
294.274

■ 57, 50.263,
292.023

■ 64, 38.458,
290.058

■ 71, 27.105,
288.371

■ 77, 16.174,
286.934

■ 84, 5.631, 285.720

Harmonies

Complementary

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



34, 99.927, 301.974



79, 76.280, 96.106

Rectangle

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



34, 99.927, 301.974



34, 99.927, 351.974



34, 99.927, 121.974



34, 99.927, 171.974

Sweetspot

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



34, 99.928, 301.975



81, 31.300, 288.488



79, 47.936, 181.888



40, 21.355, 289.054



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34, 99.928, 301.975



34, 127.826, 305.015



36, 105.600, 309.868



43, 5.871, 286.174



22, 94.355, 304.604



3, 27.264, 292.357

Inverse Universe

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



47, 78.404, 29.026



53, 99.364, 36.013



80, 88.339, 122.409



43, 4.683, 10.733



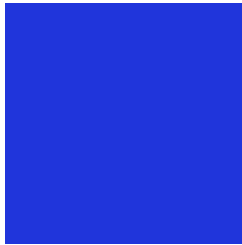
36, 73.436, 34.861



5, 23.724, 15.335

Previews

White Background



This preview shows how the CIE LCh color 34, 99.927, 301.974 looks on a white background.

Color Contrast Check

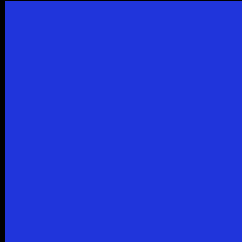
Large Text (above 18pt) WCAG AA ✓ Pass

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 34, 99.927, 301.974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

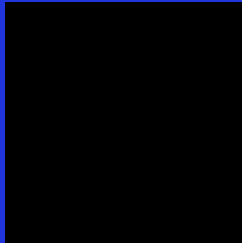
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 99.927, 301.974

Background



This preview shows how black text looks on a background with the CIELCh color 34, 99.927, 301.974.



This preview shows how white text looks on a background with the CIELCh color 34, 99.927, 301.974.

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

34, 99.903, 302.013

Protanopia

34, 52.900, 285.636

Deuteranopia

34, 36.520, 271.201



Tritanopia
33, 22.423, 204.730

Trichromacy



Original Color
34, 99.903, 302.013

Protanomaly
33, 70.878, 294.547

Deuteranomaly
33, 59.561, 290.336

Tritanomaly
32, 41.366, 279.733

Monochromacy



Original Color
34, 99.903, 302.013

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 39.284, 294.223

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 99.927, 301.974 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(32, 53, 219)` looks like.

```
.text, #text, p{  
    color:rgb(32, 53, 219)  
}
```

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(32, 53, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 53, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 99.927, 301.974 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(32, 53, 219) }
```

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

```
.border{ border-color:rgb(32, 53, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 53, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 53, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 53, 219);  
box-shadow:4px 4px 4px 4px rgb(32, 53,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 99.927, 301.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 53, 219) }
```

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

```
.background{ background-color: rgb(32, 53,  
219) }
```

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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