

Converting Colors

CIELCh(34, 124.383, 308.653)

Have a look what the booklet for
CIELCh(34, 124.383, 308.653)
contains.

CIELCh(34, 123.971, 308.606)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(34, 123.971, 308.606)

Conversions

Conversions Part 1

Format	Color
Hex	5000F1
RGB	80, 0, 241
RGB Percent	31%, 0%, 95%
CMY	0.6878, 1.0000, 0.0561
CMYK	0.67, 1.00, 0.00, 0.06
HSL	260°, 100%, 47%
HSV	260°, 100%, 94%
XYZ	19.1009, 8.0082, 83.5268
YIQ	51.3940, -29.6810, 91.9110

Conversions

Conversions Part 2

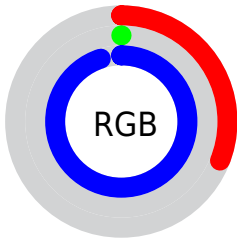
Format	Color
RYB	80, 0, 241
Decimal	5243121
CIELab	34.00, 77.35, -96.88
CIElCh	34, 123.971, 308.606
Yxy	8.0082, 0.1726, 0.0724
Android (android.graphics.Color)	4283433201 (0xFF5000F1)
YUV	51.3940, 93.4758, 25.0875
Hunter-Lab	28.2988, 70.9599, -155.1914

Details

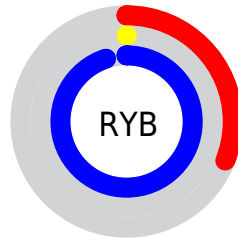
The CIELCh color **34, 123.971, 308.606** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **87, 98.956, 121.583**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 101.797, 310.287**, and **22, 104.301, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 123.883, 308.589**, and if you desaturate by 10%, it is **37, 118.276, 308.870**.

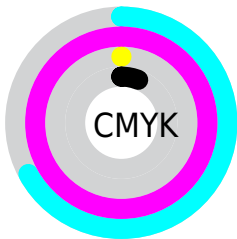
Distribution



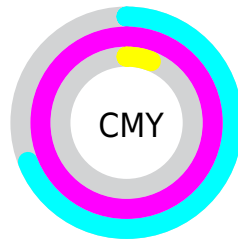
- Red (31%)
- Green (0%)
- Blue (95%)



- Red (31%)
- Yellow (0%)
- Blue (95%)



- Cyan (67%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)





- Cyan (69%)
- Magenta (100%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 123.971, 308.606 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, 123.971, 308.606 by changing the saturation by 10% instead.


 34, 123.971,
308.606


 34, 123.971,
308.606


 100, 123.971,
308.606


 24, 123.971,
308.606


 54, 123.971,
308.606


 14, 123.971,
308.606


 64, 123.971,
308.606

 4, 123.971,
308.606

 74, 123.971,
308.606

 0, 123.971,
308.606

 84, 123.971,
308.606

 94, 123.971,
308.606

■ 34, 123.971,
308.606

■ 34, 123.971,
308.606

■ 34, 123.883,
308.589

■ 37, 118.276,
308.870

■ 41, 109.055,
308.702

■ 46, 96.927,
308.147

■ 53, 83.190,
307.380

■ 59, 68.807,
306.532

■ 66, 54.356,
305.688

■ 73, 40.144,
304.892

■ 81, 26.318,

304.166

■ 88, 12.935,
303.516

Harmonies

Complementary

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



34, 123.971, 308.606



87, 98.956, 121.583

Rectangle

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



34, 123.971, 308.606



34, 123.971, 358.606



34, 123.971, 128.606



34, 123.971, 178.606

Sweetspot

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



34, 123.883, 308.589



77, 42.073, 304.899



64, 48.613, 260.098



38, 28.898, 305.228



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, 123.883, 308.589



36, 129.463, 308.560



50, 112.516, 321.185



46, 7.319, 303.484



25, 100.908, 308.752



4, 38.913, 306.868

Inverse Universe

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



53, 86.439, 347.643



56, 90.244, 347.725



84, 113.067, 134.985



47, 6.825, 336.192



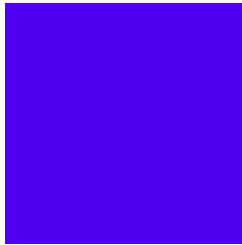
41, 70.786, 347.201



9, 31.800, 343.768

Previews

White Background



This preview shows how the CIE LCh color 34, 123.971, 308.606 looks on a white background.

Color Contrast Check

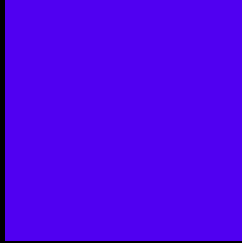
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 34, 123.971, 308.606 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, 123.971, 308.606

Background



This preview shows how black text looks on a background with the CIELCh color 34, 123.971, 308.606.



This preview shows how white text looks on a background with the CIELCh color 34, 123.971, 308.606.

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, 123.971, 308.606

Protanopia

34, 53.984, 285.950

Deuteranopia

34, 37.051, 271.109



Tritanopia
34, 22.703, 206.249

Trichromacy



Original Color
34, 123.971, 308.606

Protanomaly
30, 87.697, 301.171

Deuteranomaly
29, 77.704, 299.479

Tritanomaly
28, 58.945, 295.053

Monochromacy



Original Color
34, 123.971, 308.606

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 57.585, 308.084

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 123.971, 308.606 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(80, 0, 241)` looks like.

```
.text, #text, p{  
    color:rgb(80, 0, 241)  
}
```

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(80, 0, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 0, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 123.971, 308.606 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(80, 0, 241) }
```

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

```
.border{ border-color:rgb(80, 0, 241) }
```

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

Here you see how a box with a 4 pixel rgb(80, 0, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 0, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 0, 241);  
box-shadow:4px 4px 4px 4px rgb(80, 0, 241)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 123.971, 308.606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 0, 241) }
```

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

```
.background{ background-color: rgb(80, 0,  
241) }
```

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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