

Converting Colors

CIELCh(34, 127.668, 308.104)

Have a look what the booklet for
CIELCh(34, 127.668, 308.104)
contains.

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Color

CIELCh(34, 127.294, 308.011)

Conversions

Conversions Part 1

Format	Color
Hex	4700F7
RGB	71, 0, 247
RGB Percent	28%, 0%, 97%
CMY	0.7232, 1.0000, 0.0325
CMYK	0.71, 1.00, 0.00, 0.03
HSL	257°, 100%, 48%
HSV	257°, 100%, 97%
XYZ	19.3044, 8.0082, 88.2903
YIQ	49.3870, -36.9710, 91.8690

Conversions

Conversions Part 2

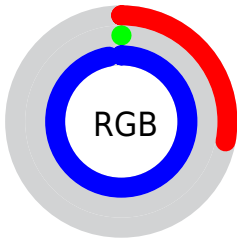
Format	Color
R_{YB}	71, 0, 247
Decimal	4653303
CIE _{Lab}	34.00, 78.39, -100.29
CIE _{LCh}	34, 127.294, 308.011
Yxy	8.0082, 0.1670, 0.0693
Android (android.graphics.Color)	4282843383 (0xFF4700F7)
YUV	49.3870, 97.4232, 18.9546
Hunter-Lab	28.2988, 72.2431, -165.1715

Details

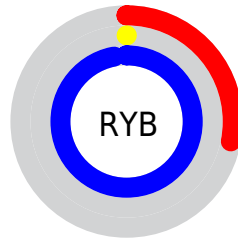
The CIELCh color **34, 127.294, 308.011** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **90, 99.422, 119.451**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 102.465, 309.695**, and **23, 106.835, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 127.209, 307.995**, and if you desaturate by 10%, it is **37, 121.444, 308.158**.

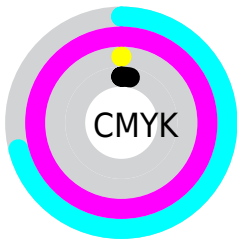
Distribution



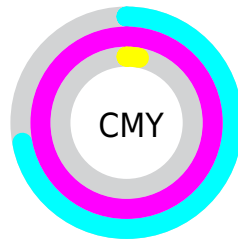
- Red (28%)
- Green (0%)
- Blue (97%)



- Red (28%)
- Yellow (0%)
- Blue (97%)



- Cyan (71%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)





- Cyan (72%)
- Magenta (100%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 127.294, 308.011 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, 127.294, 308.011 by changing the saturation by 10% instead.


 34, 127.294,
308.011


 34, 127.294,
308.011


 100, 127.294,
308.011


 24, 127.294,
308.011


 54, 127.294,
308.011


 14, 127.294,
308.011


 64, 127.294,
308.011

 4, 127.294,
308.011

 74, 127.294,
308.011

 0, 127.294,
308.011

 84, 127.294,
308.011

 94, 127.294,
308.011

■ 34, 127.294,
308.011

■ 34, 127.294,
308.011

■ 34, 127.209,
307.995

■ 37, 121.444,
308.158

■ 41, 111.810,
307.845

■ 47, 99.157,
307.135

■ 53, 84.913,
306.218

■ 60, 70.094,
305.238

■ 67, 55.285,
304.283

■ 75, 40.779,
303.396

■ 82, 26.708,

302.598

■ 90, 13.118,
301.890

Harmonies

Complementary

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



34, 127.294, 308.011



90, 99.422, 119.451

Rectangle

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



34, 127.294, 308.011



34, 127.294, 358.011



34, 127.294, 128.011



34, 127.294, 178.011

Sweetspot

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



34, 127.209, 307.995



77, 41.890, 303.401



68, 46.918, 253.929



38, 28.787, 303.765



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, 127.209, 307.995



35, 130.461, 307.980



50, 115.214, 319.989



47, 7.401, 301.856



25, 102.755, 308.145



4, 40.795, 306.312

Inverse Universe

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



55, 90.536, 344.243



57, 92.800, 344.280



86, 114.647, 134.622



48, 7.169, 334.341



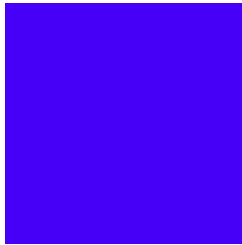
41, 73.520, 343.880



10, 33.539, 341.251

Previews

White Background



This preview shows how the CIE LCh color 34, 127.294, 308.011 looks on a white background.

Color Contrast Check

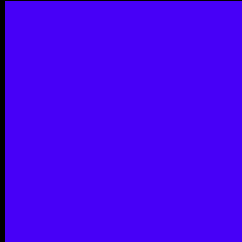
Large Text (above 18pt) WCAG AA ✓ Pass

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, 127.294, 308.011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

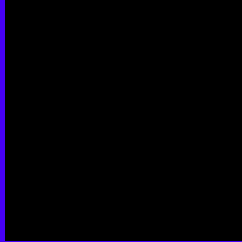
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 127.294, 308.011

Background



This preview shows how black text looks on a background with the CIELCh color 34, 127.294, 308.011.



This preview shows how white text looks on a background with the CIELCh color 34, 127.294, 308.011.

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, 127.294, 308.011

Protanopia

34, 53.984, 285.950

Deuteranopia

34, 36.530, 270.468



Tritanopia
34, 22.783, 204.566

Trichromacy



Original Color
34, 127.294, 308.011

Protanomaly
30, 88.822, 301.139

Deuteranomaly
29, 78.317, 299.371

Tritanomaly
28, 59.588, 294.877

Monochromacy



Original Color
34, 127.294, 308.011

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 58.919, 307.234

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 127.294, 308.011 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(71, 0, 247)` looks like.

```
.text, #text, p{  
    color:rgb(71, 0, 247)  
}
```

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(71, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 0, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 127.294, 308.011 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(71, 0, 247) }
```

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

```
.border{ border-color:rgb(71, 0, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 0, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(71, 0, 247)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 127.294, 308.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 0, 247) }
```

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

```
.background{ background-color: rgb(71, 0,  
247) }
```

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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