

Converting Colors

CIELCh(34, 121.564, 304.434)

Have a look what the booklet for
CIELCh(34, 121.564, 304.434)
contains.

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Color

CIELCh(34, 121.772, 304.437)

Conversions

Conversions Part 1

Format	Color
Hex	0824F7
RGB	8, 36, 247
RGB Percent	3%, 14%, 97%
CMY	0.9690, 0.8595, 0.0320
CMYK	0.97, 0.85, 0.00, 0.03
HSL	233°, 94%, 50%
HSV	233°, 97%, 97%
XYZ	17.4873, 8.0082, 88.4854
YIQ	51.6820, -84.4190, 59.6850

Conversions

Conversions Part 2

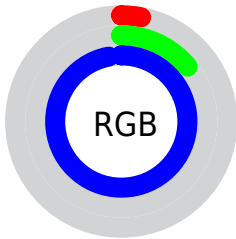
Format	Color
R_{YB}	8, 33, 247
Decimal	533751
CIE _{Lab}	34.00, 68.86, -100.43
CIE _{LCh}	34, 121.772, 304.437
Yxy	8.0082, 0.1534, 0.0703
Android (android.graphics.Color)	4278723831 (0xFF0824F7)
YUV	51.6820, 96.2918, -38.3091
Hunter-Lab	28.2988, 60.7814, -165.5802

Details

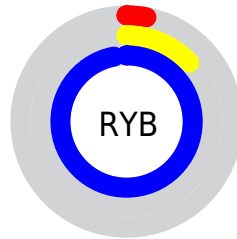
The CIELCh color **34, 121.772, 304.437** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **87, 86.619, 94.836**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 95.834, 304.349**, and **23, 106.835, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **33, 124.380, 304.939**, and if you desaturate by 10%, it is **38, 111.256, 302.347**.

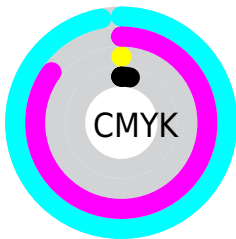
Distribution



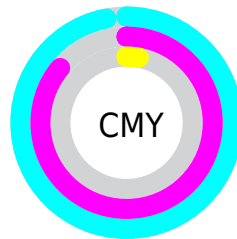
- Red (3%)
- Green (14%)
- Blue (97%)



- Red (3%)
- Yellow (13%)
- Blue (97%)



- Cyan (97%)
- Magenta (85%)
- Yellow (0%)
- Black (3%)





- Cyan (97%)
- Magenta (86%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 121.772, 304.437 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, 121.772, 304.437 by changing the saturation by 10% instead.


 34, 121.772,
304.437


 34, 121.772,
304.437


 100, 121.772,
304.437


 24, 121.772,
304.437


 54, 121.772,
304.437


 14, 121.772,
304.437


 64, 121.772,
304.437

 4, 121.772,
304.437

 74, 121.772,
304.437

 0, 121.772,
304.437

 84, 121.772,
304.437

 94, 121.772,
304.437

■ 34, 121.772,
304.437

■ 34, 121.772,
304.437

■ 33, 124.380,
304.939

■ 38, 111.256,
302.347

■ 43, 98.273,
299.805

■ 49, 84.366,
297.132

■ 56, 70.451,
294.570

■ 63, 56.921,
292.252

■ 70, 43.891,
290.224

■ 78, 31.364,
288.481

■ 85, 19.307,

286.997

■ 92, 7.681, 285.741

Harmonies

Complementary

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



34, 121.772, 304.437



87, 86.619, 94.836

Rectangle

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



34, 121.772, 304.437



34, 121.772, 354.437



34, 121.772, 124.437



34, 121.772, 174.437

Sweetspot

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



34, 121.774, 304.438



78, 35.001, 288.851



88, 55.524, 178.350



39, 24.211, 289.588



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, 121.774, 304.438



34, 127.610, 304.967



37, 123.885, 309.254



47, 6.410, 286.057



24, 99.591, 304.643



4, 36.669, 297.735

Inverse Universe

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



52, 94.598, 34.472



53, 99.205, 35.876



89, 101.126, 122.850



48, 5.130, 10.535



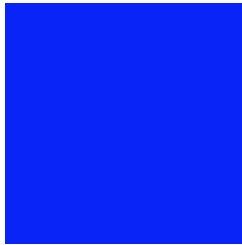
39, 77.498, 34.967



8, 30.354, 20.265

Previews

White Background



This preview shows how the CIE LCh color 34, 121.772, 304.437 looks on a white background.

Color Contrast Check

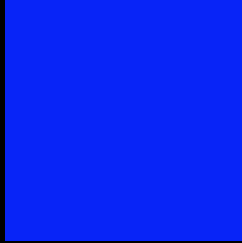
Large Text (above 18pt) WCAG AA ✓ Pass

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, 121.772, 304.437 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, 121.772, 304.437

Background



This preview shows how black text looks on a background with the CIELCh color 34, 121.772, 304.437.



This preview shows how white text looks on a background with the CIELCh color 34, 121.772, 304.437.

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, 121.785, 304.427

Protanopia

34, 52.900, 285.636

Deuteranopia

34, 35.997, 270.549



Tritanopia
33, 22.519, 203.026

Trichromacy



Original Color
34, 121.785, 304.427

Protanomaly
32, 80.520, 297.347

Deuteranomaly
32, 69.527, 294.429

Tritanomaly
30, 50.516, 286.587

Monochromacy



Original Color
34, 121.785, 304.427

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 50.781, 297.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 121.772, 304.437 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(8, 36, 247)` looks like.

```
.text, #text, p{  
    color:rgb(8, 36, 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(8, 36, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 36, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 121.772, 304.437 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(8, 36, 247) }
```

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

```
.border{ border-color:rgb(8, 36, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 36, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 36, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 36, 247);  
box-shadow:4px 4px 4px 4px rgb(8, 36, 247)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 121.772, 304.437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 36, 247) }
```

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

```
.background{ background-color: rgb(8, 36,  
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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