

Converting Colors

CIELCh(34, 123.720, 304.522)

Have a look what the booklet for
CIELCh(34, 123.720, 304.522)
contains.

CIELCh(34, 123.537, 304.558)	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, 123.537, 304.558)

Conversions

Conversions Part 1

Format	Color
Hex	0122F9
RGB	1, 34, 249
RGB Percent	0%, 13%, 98%
CMY	0.9955, 0.8661, 0.0229
CMYK	1.00, 0.86, 0.00, 0.02
HSL	232°, 99%, 49%
HSV	232°, 100%, 98%
XYZ	17.7120, 8.0082, 90.3587
YIQ	48.6430, -88.6830, 59.8690

Conversions

Conversions Part 2

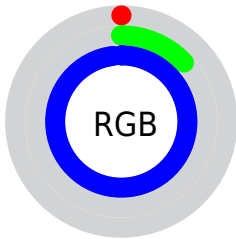
Format	Color
R _Y B	1, 30, 249
Decimal	74489
CIE Lab	34.00, 70.08, -101.74
CIE LCh	34, 123.537, 304.558
Yxy	8.0082, 0.1526, 0.0690
Android (android.graphics.Color)	4278264569 (0xFF0122F9)
YUV	48.6430, 98.7760, -41.7829
Hunter-Lab	28.2988, 62.1991, -169.5051

Details

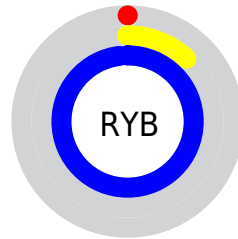
The CIELCh color **34, 123.537, 304.558** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **87, 86.760, 93.294**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 96.404, 304.504**, and **23, 107.676, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 123.914, 304.632**, and if you desaturate by 10%, it is **38, 113.510, 302.517**.

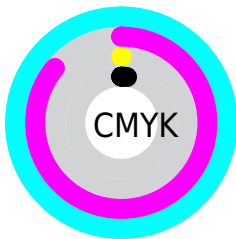
Distribution



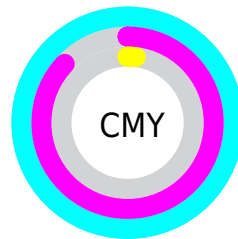
- Red (0%)
- Green (13%)
- Blue (98%)



- Red (0%)
- Yellow (12%)
- Blue (98%)



- Cyan (100%)
- Magenta (86%)
- Yellow (0%)
- Black (2%)





- Cyan (100%)
- Magenta (87%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 123.537, 304.558 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, 123.537, 304.558 by changing the saturation by 10% instead.


 34, 123.537,
304.558


 34, 123.537,
304.558


 100, 123.537,
304.558


 24, 123.537,
304.558


 54, 123.537,
304.558


 14, 123.537,
304.558


 64, 123.537,
304.558

 4, 123.537,
304.558

 74, 123.537,
304.558

 0, 123.537,
304.558

 84, 123.537,
304.558

 94, 123.537,
304.558

■ 34, 123.537,
304.558

■ 34, 123.537,
304.558

■ 34, 123.914,
304.632

■ 38, 113.510,
302.517

■ 43, 100.876,
299.956

■ 49, 87.158,
297.216

■ 55, 73.340,
294.557

■ 62, 59.865,
292.130

■ 69, 46.873,
289.996

■ 77, 34.375,
288.156

■ 84, 22.339,

286.586

■ 91, 10.728,
285.253

Harmonies

Complementary

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



34, 123.537, 304.558



87, 86.760, 93.294

Rectangle

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



34, 123.537, 304.558



34, 123.537, 354.558



34, 123.537, 124.558



34, 123.537, 174.558

Sweetspot

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



34, 123.539, 304.559



78, 35.601, 288.240



88, 56.326, 177.938



38, 24.478, 288.988



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, 123.539, 304.559



35, 126.209, 304.653



36, 126.109, 309.129



48, 6.405, 285.248



25, 99.460, 304.315



5, 38.084, 298.420

Inverse Universe

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



52, 96.132, 34.747



53, 98.208, 34.997



89, 102.670, 123.181



49, 5.236, 9.258



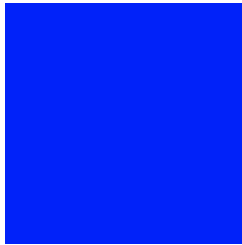
39, 77.524, 34.079



9, 31.330, 20.709

Previews

White Background



This preview shows how the CIE LCh color 34, 123.537, 304.558 looks on a white background.

Color Contrast Check

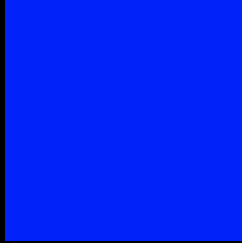
Large Text (above 18pt) WCAG AA ✓ Pass

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, 123.537, 304.558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

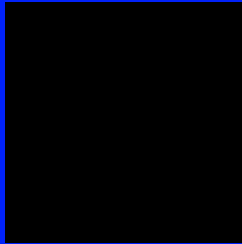
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 123.537, 304.558

Background



This preview shows how black text looks on a background with the CIELCh color 34, 123.537, 304.558.



This preview shows how white text looks on a background with the CIELCh color 34, 123.537, 304.558.

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, 123.524, 304.567

Protanopia

34, 52.900, 285.636

Deuteranopia

34, 35.997, 270.549



Tritanopia
33, 22.519, 203.026

Trichromacy



Original Color
34, 123.524, 304.567

Protanomaly
32, 81.744, 297.643

Deuteranomaly
32, 70.121, 294.470

Tritanomaly
30, 51.796, 287.280

Monochromacy



Original Color
34, 123.524, 304.567

Achromatopsia
20, 0.004, 296.813

Achromatomaly
22, 51.670, 297.299

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 123.537, 304.558 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(1, 34, 249)` looks like.

```
.text, #text, p{  
    color:rgb(1, 34, 249)  
}
```

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(1, 34, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 34, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 123.537, 304.558 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(1, 34, 249) }
```

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

```
.border{ border-color:rgb(1, 34, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 34, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 34, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 34, 249);  
box-shadow:4px 4px 4px 4px rgb(1, 34, 249)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 123.537, 304.558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 34, 249) }
```

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

```
.background{ background-color: rgb(1, 34,  
249) }
```

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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