

Converting Colors

CIELCh(34, 123.089, 304.375)

Have a look what the booklet for
CIELCh(34, 123.089, 304.375)
contains.

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Color

CIELCh(34, 123.165, 304.471)

Conversions

Conversions Part 1

Format	Color
Hex	0023F9
RGB	0, 35, 249
RGB Percent	0%, 14%, 98%
CMY	1.0000, 0.8635, 0.0243
CMYK	1.00, 0.86, 0.00, 0.02
HSL	232°, 100%, 49%
HSV	232°, 100%, 98%
XYZ	17.6442, 8.0082, 90.0700
YIQ	48.9310, -89.5540, 59.1340

Conversions

Conversions Part 2

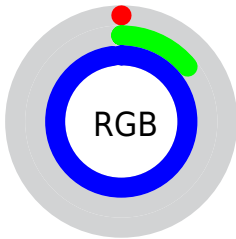
Format	Color
RYB	0, 31, 249
Decimal	9209
CIELab	34.00, 69.71, -101.54
CIELCh	34, 123.165, 304.471
Yxy	8.0082, 0.1525, 0.0692
Android (android.graphics.Color)	4278199289 (0xFF0023F9)
YUV	48.9310, 98.6340, -42.9125
Hunter-Lab	28.2988, 61.7711, -168.9002

Details

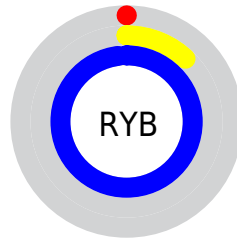
The CIELCh color **34, 123.165, 304.471** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **86, 86.383, 92.692**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 95.834, 304.349**, and **23, 107.676, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 123.149, 304.486**, and if you desaturate by 10%, it is **38, 113.119, 302.415**.

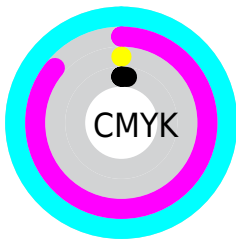
Distribution



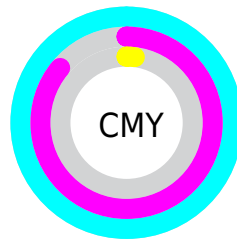
- Red (0%)
- Green (14%)
- Blue (98%)



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



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 123.165, 304.471 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, 123.165, 304.471 by changing the saturation by 10% instead.


 34, 123.165,
304.471


 34, 123.165,
304.471


 100, 123.165,
304.471


 24, 123.165,
304.471


 54, 123.165,
304.471


 14, 123.165,
304.471


 64, 123.165,
304.471

 4, 123.165,
304.471

 74, 123.165,
304.471

 0, 123.165,
304.471

 84, 123.165,
304.471

 94, 123.165,
304.471

■ 34, 123.165,
304.471

■ 34, 123.165,
304.471

■ 34, 123.149,
304.486

■ 38, 113.119,
302.415

■ 43, 100.561,
299.823

■ 49, 86.952,
297.055

■ 55, 73.252,
294.369

■ 62, 59.894,
291.916

■ 69, 47.013,
289.758

■ 76, 34.617,
287.897

■ 84, 22.676,

286.308

■ 91, 11.152,
284.959

Harmonies

Complementary

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



34, 123.165, 304.471



86, 86.383, 92.692

Rectangle

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



34, 123.165, 304.471



34, 123.165, 354.471



34, 123.165, 124.471



34, 123.165, 174.471

Sweetspot

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



34, 123.149, 304.486



78, 35.318, 287.903



88, 57.508, 175.909



38, 24.281, 288.654



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, 123.149, 304.486



35, 125.576, 304.510



36, 126.596, 308.854



48, 6.357, 284.897



25, 98.921, 304.158



5, 37.881, 298.276

Inverse Universe

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



52, 95.899, 34.538



53, 97.777, 34.604



90, 102.125, 122.493



49, 5.245, 8.722



39, 77.180, 33.665



9, 31.293, 20.423

Previews

White Background



This preview shows how the CIE LCh color 34, 123.165, 304.471 looks on a white background.

Color Contrast Check

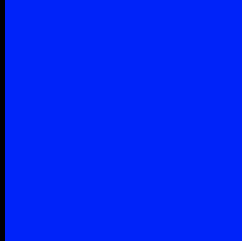
Large Text (above 18pt) WCAG AA ✓ Pass

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, 123.165, 304.471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

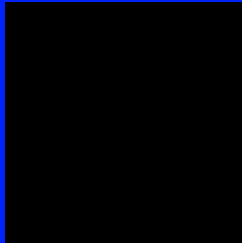
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 123.165, 304.471

Background



This preview shows how black text looks on a background with the CIELCh color 34, 123.165, 304.471.



This preview shows how white text looks on a background with the CIELCh color 34, 123.165,

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, 123.165, 304.471

Protanopia

34, 52.900, 285.636

Deuteranopia

34, 36.520, 271.201



Tritanopia
33, 22.519, 203.026

Trichromacy



Original Color
34, 123.165, 304.471

Protanomaly
32, 81.096, 297.370

Deuteranomaly
32, 70.692, 294.616

Tritanomaly
30, 51.133, 286.696

Monochromacy



Original Color
34, 123.165, 304.471

Achromatopsia
20, 0.004, 296.813

Achromatomaly
22, 51.692, 297.115

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 123.165, 304.471 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(0, 35, 249)` looks like.

```
.text, #text, p{  
    color:rgb(0, 35, 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(0, 35, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 35, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 123.165, 304.471 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(0, 35, 249) }
```

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

```
.border{ border-color:rgb(0, 35, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 35, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 35, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 35, 249);  
box-shadow:4px 4px 4px 4px rgb(0, 35, 249)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 123.165, 304.471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 35, 249) }
```

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

```
.background{ background-color: rgb(0, 35,  
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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