

Converting Colors

CIELCh(34, 121.436, 304.565)

Have a look what the booklet for
CIELCh(34, 121.436, 304.565)
contains.

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Color

CIELCh(34, 121.582, 304.605)

Conversions

Conversions Part 1

Format	Color
Hex	1223F6
RGB	18, 35, 246
RGB Percent	7%, 14%, 96%
CMY	0.9294, 0.8620, 0.0345
CMYK	0.93, 0.86, 0.00, 0.03
HSL	235°, 93%, 52%
HSV	235°, 93%, 97%
XYZ	17.5217, 8.0082, 87.9761
YIQ	53.9710, -77.8630, 62.0170

Conversions

Conversions Part 2

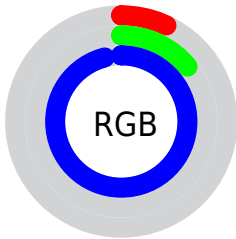
Format	Color
R _Y B	18, 34, 246
Decimal	1188854
CIE _{Lab}	34.00, 69.05, -100.07
CIE _{LCh}	34, 121.582, 304.605
Yxy	8.0082, 0.1544, 0.0706
Android (android.graphics.Color)	4279378934 (0xFF1223F6)
YUV	53.9710, 94.6703, -31.5466
Hunter-Lab	28.2988, 60.9983, -164.5133

Details

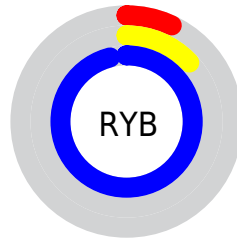
The CIELCh color **34, 121.582, 304.605** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **90, 88.108, 98.160**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 95.780, 304.604**, and **22, 106.414, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **32, 127.020, 305.583**, and if you desaturate by 10%, it is **38, 110.530, 302.626**.

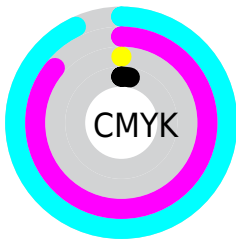
Distribution



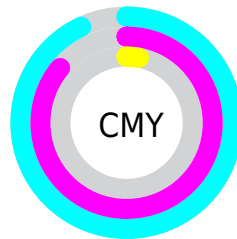
- Red (7%)
- Green (14%)
- Blue (96%)



- Red (7%)
- Yellow (13%)
- Blue (96%)



- Cyan (93%)
- Magenta (86%)
- Yellow (0%)
- Black (3%)





- Cyan (93%)
- Magenta (86%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 121.582, 304.605 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, 121.582, 304.605 by changing the saturation by 10% instead.


 34, 121.582,
304.605


 34, 121.582,
304.605


 100, 121.582,
304.605


 24, 121.582,
304.605


 54, 121.582,
304.605


 14, 121.582,
304.605


 64, 121.582,
304.605

 4, 121.582,
304.605

 74, 121.582,
304.605

 0, 121.582,
304.605

 84, 121.582,
304.605

 94, 121.582,
304.605

■ 34, 121.582,
304.605

■ 34, 121.582,
304.605

■ 32, 127.020,
305.583

■ 38, 110.530,
302.626

■ 44, 96.931,
300.221

■ 50, 82.440,
297.715

■ 57, 67.991,
295.337

■ 65, 53.973,
293.203

■ 72, 40.494,
291.346

■ 80, 27.554,
289.757

■ 87, 15.119,

288.408

■ 95, 3.148, 287.286

Harmonies

Complementary

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



34, 121.582, 304.605



90, 88.108, 98.160

Rectangle

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



34, 121.582, 304.605



34, 121.582, 354.605



34, 121.582, 124.605



34, 121.582, 174.605

Sweetspot

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



34, 121.584, 304.606



78, 35.365, 290.579



88, 51.926, 185.002



38, 24.626, 291.294



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, 121.584, 304.606



33, 130.544, 305.605



39, 120.372, 310.374



47, 6.705, 288.022



23, 102.172, 305.366



4, 37.817, 298.502

Inverse Universe

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



52, 93.986, 35.020



53, 101.521, 37.769



88, 101.175, 124.436



48, 5.096, 13.861



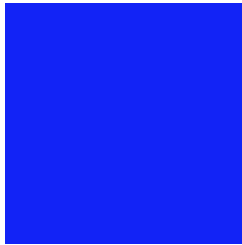
39, 79.415, 37.041



8, 30.569, 21.977

Previews

White Background



This preview shows how the CIE LCh color 34, 121.582, 304.605 looks on a white background.

Color Contrast Check

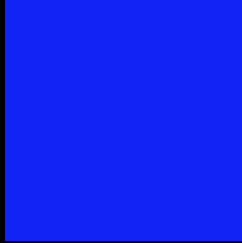
Large Text (above 18pt) WCAG AA ✓ Pass

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, 121.582, 304.605 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, 121.582, 304.605

Background



This preview shows how black text looks on a background with the CIELCh color 34, 121.582, 304.605.



This preview shows how white text looks on a background with the CIELCh color 34, 121.582, 304.605.

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, 121.563, 304.620

Protanopia

33, 52.968, 285.911

Deuteranopia

34, 35.997, 270.549

Trichromacy



Original Color
34, 121.563, 304.620

Protanomaly
32, 80.584, 297.629

Deuteranomaly
32, 69.497, 294.571

Monochromacy



Original Color
34, 121.563, 304.620

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 50.580, 298.043

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 121.582, 304.605 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(18, 35, 246)` looks like.

```
.text, #text, p{  
    color:rgb(18, 35, 246)  
}
```

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(18, 35, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 35, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 121.582, 304.605 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(18, 35, 246) }
```

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

```
.border{ border-color:rgb(18, 35, 246) }
```

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

Here you see how a box with a 4 pixel rgb(18, 35, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 35, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 35, 246);  
box-shadow:4px 4px 4px 4px rgb(18, 35,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 121.582, 304.605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 35, 246) }
```

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

```
.background{ background-color: rgb(18, 35,  
246) }
```

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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