

Converting Colors

CIELCh(34, 129.145, 305.695)

Have a look what the booklet for
CIELCh(34, 129.145, 305.695)
contains.

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Color

CIELCh(34, 129.137, 305.672)

Conversions

Conversions Part 1

Format	Color
Hex	1817FF
RGB	24, 23, 255
RGB Percent	9%, 9%, 100%
CMY	0.9048, 0.9108, 0.0008
CMYK	0.90, 0.91, 0.00, 0.00
HSL	240°, 100%, 54%
HSV	240°, 91%, 100%
XYZ	18.7031, 8.0082, 95.0049
YIQ	49.7470, -73.8760, 72.3640

Conversions

Conversions Part 2

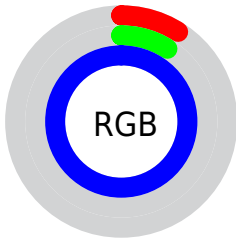
Format	Color
R_{YB}	24, 23, 255
Decimal	1579007
CIE _{Lab}	34.00, 75.31, -104.91
CIE _{LCh}	34, 129.137, 305.672
Yxy	8.0082, 0.1537, 0.0658
Android (android.graphics.Color)	4279769087 (0xFF1817FF)
YUV	49.7470, 101.1897, -22.5801
Hunter-Lab	28.2988, 68.4504, -179.2395

Details

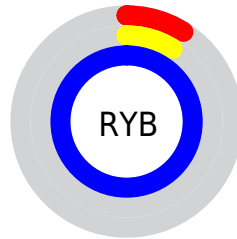
The CIELCh color **34, 129.137, 305.672** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **97, 94.999, 103.370**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 99.533, 306.249**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **32, 133.711, 306.300**, and if you desaturate by 10%, it is **38, 119.162, 304.286**.

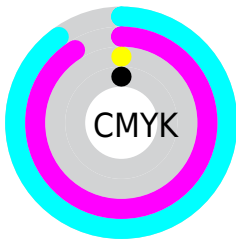
Distribution



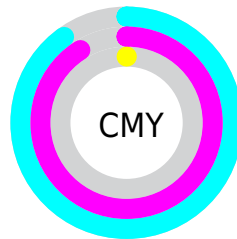
- Red (9%)
- Green (9%)
- Blue (100%)



- Red (9%)
- Yellow (9%)
- Blue (100%)



- Cyan (90%)
- Magenta (91%)
- Yellow (0%)
- Black (0%)





- Cyan (90%)
- Magenta (91%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 129.137, 305.672 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, 129.137, 305.672 by changing the saturation by 10% instead.


 34, 129.137,
305.672


 34, 129.137,
305.672


 100, 129.137,
305.672


 24, 129.137,
305.672


 54, 129.137,
305.672


 14, 129.137,
305.672


 64, 129.137,
305.672

 4, 129.137,
305.672

 74, 129.137,
305.672

 0, 129.137,
305.672

 84, 129.137,
305.672

 94, 129.137,
305.672

■ 34, 129.137,
305.672

■ 34, 129.137,
305.672

■ 32, 133.711,
306.300

■ 38, 119.162,
304.286

■ 44, 105.217,
302.317

■ 51, 89.528,
300.120

■ 58, 73.540,
297.969

■ 66, 57.913,
296.013

■ 74, 42.872,
294.302

■ 83, 28.459,
292.838

■ 91, 14.649,

291.597

99, 1.399, 290.593

Harmonies

Complementary

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



34, 129.137, 305.672



97, 94.999, 103.370

Rectangle

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



34, 129.137, 305.672



34, 129.137, 355.672



34, 129.137, 125.672



34, 129.137, 175.672

Sweetspot

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



34, 129.140, 305.673



78, 36.952, 293.678



91, 49.532, 196.418



38, 25.083, 294.199



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, 129.140, 305.673



32, 133.787, 306.300



43, 120.796, 312.264



49, 7.504, 291.421



23, 107.748, 306.306



3, 44.143, 301.894

Inverse Universe

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



61, 113.148, 328.426



60, 114.962, 328.500



90, 105.987, 127.328



50, 9.017, 325.123



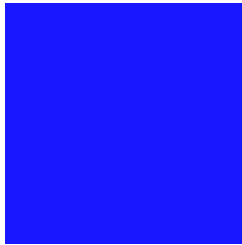
45, 92.604, 328.496



12, 42.629, 328.464

Previews

White Background



This preview shows how the CIELCh color 34, 129.137, 305.672 looks on a white background.

Color Contrast Check

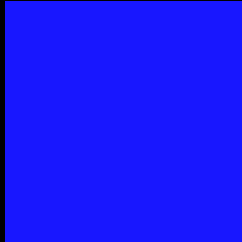
Large Text (above 18pt) WCAG AA ✓ Pass

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, 129.137, 305.672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

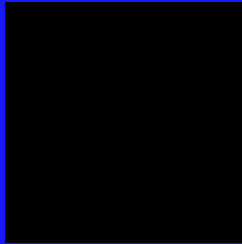
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 129.137, 305.672

Background



This preview shows how black text looks on a background with the CIELCh color 34, 129.137, 305.672.



This preview shows how white text looks on a background with the CIELCh color 34, 129.137, 305.672.

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, 129.165, 305.656

Protanopia

34, 52.900, 285.636

Deuteranopia

34, 35.997, 270.549



Tritanopia
33, 22.519, 203.026

Trichromacy



Original Color
34, 129.165, 305.656

Protanomaly
32, 85.312, 299.068

Deuteranomaly
31, 74.526, 296.698

Tritanomaly
29, 55.587, 290.497

Monochromacy



Original Color
34, 129.165, 305.656

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 55.445, 300.905

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 129.137, 305.672 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(24, 23, 255)` looks like.

```
.text, #text, p{  
    color:rgb(24, 23, 255)  
}
```

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(24, 23, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 23, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 129.137, 305.672 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(24, 23, 255) }
```

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

```
.border{ border-color:rgb(24, 23, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 23, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 23, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 23, 255);  
box-shadow:4px 4px 4px 4px rgb(24, 23,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 129.137, 305.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 23, 255) }
```

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

```
.background{ background-color: rgb(24, 23,  
255) }
```

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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