

Converting Colors

CIELCh(34, 129.047, 305.887)

Have a look what the booklet for
CIELCh(34, 129.047, 305.887)
contains.

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Color

CIELCh(34, 128.990, 305.906)

Conversions

Conversions Part 1

Format	Color
Hex	2015FE
RGB	32, 21, 254
RGB Percent	13%, 8%, 100%
CMY	0.8737, 0.9174, 0.0037
CMYK	0.87, 0.92, 0.00, 0.00
HSL	243°, 99%, 54%
HSV	243°, 92%, 100%
XYZ	18.7691, 8.0082, 94.3687
YIQ	50.8510, -68.2370, 74.7950

Conversions

Conversions Part 2

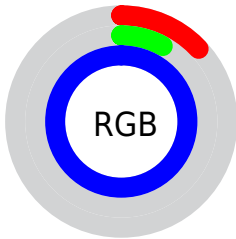
Format	Color
RYB	32, 21, 254
Decimal	2102782
CIELab	34.00, 75.65, -104.48
CIELCh	34, 128.990, 305.906
Yxy	8.0082, 0.1549, 0.0661
Android (android.graphics.Color)	4280292862 (0xFF2015FE)
YUV	50.8510, 100.1525, -16.5323
Hunter-Lab	28.2988, 68.8666, -177.9068

Details

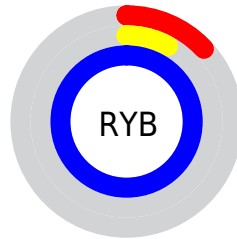
The CIELCh color **34, 128.990, 305.906** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **96, 95.116, 105.782**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 100.007, 306.634**, and **23, 109.353, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **32, 133.230, 306.383**, and if you desaturate by 10%, it is **38, 119.310, 304.739**.

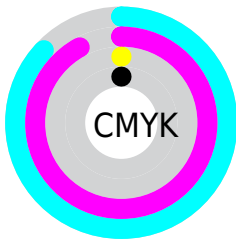
Distribution



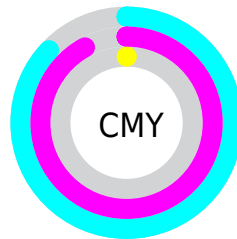
- Red (13%)
- Green (8%)
- Blue (100%)



- Red (13%)
- Yellow (8%)
- Blue (100%)



- Cyan (87%)
- Magenta (92%)
- Yellow (0%)
- Black (0%)




- Cyan (87%)
- Magenta (92%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 128.990, 305.906 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, 128.990, 305.906 by changing the saturation by 10% instead.


 34, 128.990,
305.906


 34, 128.990,
305.906


 100, 128.990,
305.906


 24, 128.990,
305.906


 54, 128.990,
305.906


 14, 128.990,
305.906

 64, 128.990,
305.906

 4, 128.990,
305.906

 74, 128.990,
305.906

 0, 128.990,
305.906

 84, 128.990,
305.906

 94, 128.990,
305.906

■ 34, 128.990,
305.906

■ 34, 128.990,
305.906

■ 32, 133.230,
306.383

■ 38, 119.310,
304.739

■ 44, 105.666,
303.008

■ 50, 90.197,
301.042

■ 58, 74.333,
299.094

■ 66, 58.761,
297.304

■ 74, 43.735,
295.727

■ 82, 29.316,
294.367

■ 90, 15.493,

293.207

■ 98, 2.230, 292.241

Harmonies

Complementary

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



34, 128.990, 305.906



96, 95.116, 105.782

Rectangle

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



34, 128.990, 305.906



34, 128.990, 355.906



34, 128.990, 125.906



34, 128.990, 175.906

Sweetspot

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



34, 128.992, 305.907



77, 38.427, 295.198



89, 47.364, 201.492



38, 26.774, 295.817



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, 128.992, 305.907



32, 133.606, 306.382



44, 120.155, 313.041



49, 7.511, 292.976



23, 107.542, 306.422



3, 44.243, 302.722

Inverse Universe

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



60, 109.628, 330.073



60, 111.226, 330.274



90, 107.148, 128.475



50, 8.767, 326.264



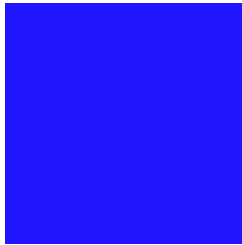
45, 89.645, 330.238



12, 41.428, 329.985

Previews

White Background



This preview shows how the CIE LCh color 34, 128.990, 305.906 looks on a white background.

Color Contrast Check

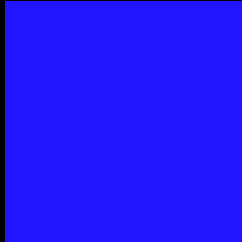
Large Text (above 18pt) WCAG AA ✓ Pass

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, 128.990, 305.906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

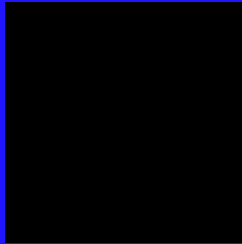
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 128.990, 305.906

Background



This preview shows how black text looks on a background with the CIELCh color 34, 128.990, 305.906.



This preview shows how white text looks on a background with the CIELCh color 34, 128.990, 305.906.

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, 128.990, 305.906

Protanopia

34, 52.900, 285.636

Deuteranopia

34, 35.997, 270.549



Tritanopia
33, 22.519, 203.026

Trichromacy



Original Color
34, 128.990, 305.906

Protanomaly
32, 85.284, 299.141

Deuteranomaly
31, 74.501, 296.796

Tritanomaly
29, 55.560, 290.673

Monochromacy



Original Color
34, 128.990, 305.906

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 55.957, 301.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 128.990, 305.906 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(32, 21, 254)` looks like.

```
.text, #text, p{  
  color:rgb(32, 21, 254)  
}
```

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(32, 21, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 21, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 128.990, 305.906 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(32, 21, 254) }
```

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

```
.border{ border-color:rgb(32, 21, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 21, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 21, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 21, 254);  
box-shadow:4px 4px 4px 4px rgb(32, 21,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 128.990, 305.906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 21, 254) }
```

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

```
.background{ background-color: rgb(32, 21,  
254) }
```

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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