

Converting Colors

CIELCh(34, 118.859, 306.201)

Have a look what the booklet for
CIELCh(34, 118.859, 306.201)
contains.

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Color

CIELCh(34, 118.968, 306.244)

Conversions

Conversions Part 1

Format	Color
Hex	3A1DEF
RGB	58, 29, 239
RGB Percent	23%, 11%, 94%
CMY	0.7726, 0.8864, 0.0628
CMYK	0.76, 0.88, 0.00, 0.06
HSL	248°, 87%, 53%
HSV	248°, 88%, 94%
XYZ	17.7608, 8.0082, 82.2614
YIQ	61.6110, -50.1260, 71.4580

Conversions

Conversions Part 2

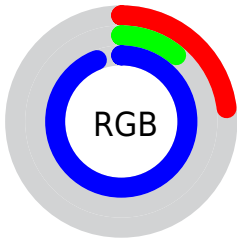
Format	Color
R _Y B	58, 29, 239
Decimal	3808751
CIE Lab	34.00, 70.34, -95.95
CIE LCh	34, 118.968, 306.244
Yxy	8.0082, 0.1644, 0.0741
Android (android.graphics.Color)	4281998831 (0xFF3A1DEF)
YUV	61.6110, 87.4528, -3.1668
Hunter-Lab	28.2988, 62.5065, -152.5401

Details

The CIELCh color **34, 118.968, 306.244** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **90, 90.294, 110.793**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 97.054, 307.043**, and **21, 103.454, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **31, 125.451, 306.667**, and if you desaturate by 10%, it is **39, 108.117, 305.223**.

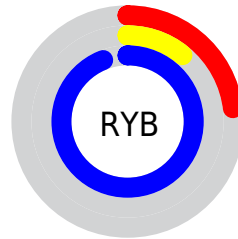
Distribution



Red (23%)

Green (11%)

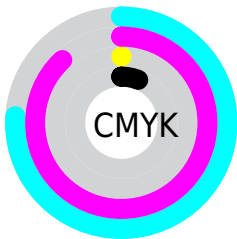
Blue (94%)



Red (23%)

Yellow (11%)

Blue (94%)

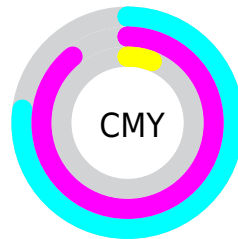


Cyan (76%)

Magenta (88%)

Yellow (0%)

Black (6%)



Cyan (77%)


Magenta (89%)


Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 118.968, 306.244 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, 118.968, 306.244 by changing the saturation by 10% instead.


 34, 118.968,
306.244


 34, 118.968,
306.244


 100, 118.968,
306.244


 24, 118.968,
306.244


 54, 118.968,
306.244


 14, 118.968,
306.244


 64, 118.968,
306.244

 4, 118.968,
306.244

 74, 118.968,
306.244

 0, 118.968,
306.244

 84, 118.968,
306.244

 94, 118.968,
306.244

■ 34, 118.968,
306.244

■ 34, 118.968,
306.244

■ 31, 125.451,
306.667

■ 39, 108.117,
305.223

■ 31, 126.489,
306.736

■ 44, 94.538,
303.819

■ 51, 79.841,
302.286

■ 58, 64.992,
300.789

■ 66, 50.449,
299.416

■ 73, 36.393,
298.198

■ 81, 22.872,
297.138

■ 89, 9.882, 296.225

Harmonies

Complementary

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



34, 118.968, 306.244



90, 90.294, 110.793

Rectangle

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



34, 118.968, 306.244



34, 118.968, 356.244



34, 118.968, 126.244



34, 118.968, 176.244

Sweetspot

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



34, 118.970, 306.245



79, 35.650, 297.997



78, 41.077, 218.630



39, 24.336, 298.393



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, 118.970, 306.245



33, 132.887, 306.719



45, 110.528, 315.953



46, 7.170, 296.362



22, 103.672, 306.817



3, 38.184, 301.961

Inverse Universe

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



56, 96.914, 333.907



58, 103.504, 334.768



84, 103.245, 130.959



47, 7.827, 328.999



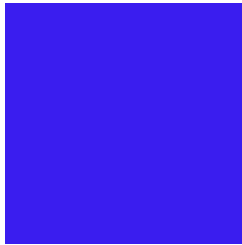
42, 81.047, 334.617



9, 35.911, 333.612

Previews

White Background



This preview shows how the CIELCh color 34, 118.968, 306.244 looks on a white background.

Color Contrast Check

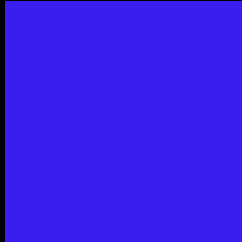
Large Text (above 18pt) WCAG AA ✓ Pass

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, 118.968, 306.244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

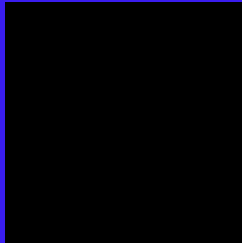
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 118.968, 306.244

Background



This preview shows how black text looks on a background with the CIELCh color 34, 118.968, 306.244.



This preview shows how white text looks on a background with the CIELCh color 34, 118.968, 306.244.

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, 118.968, 306.244

Protanopia

34, 52.900, 285.636

Deuteranopia

34, 36.520, 271.201



Tritanopia
33, 22.423, 204.730

Trichromacy



Original Color
34, 118.968, 306.244

Protanomaly
32, 79.983, 298.180

Deuteranomaly
31, 69.562, 295.627

Tritanomaly
30, 50.458, 288.594

Monochromacy



Original Color
34, 118.968, 306.244

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 49.348, 302.380

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 118.968, 306.244 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(58, 29, 239)` looks like.

```
.text, #text, p{  
    color:rgb(58, 29, 239)  
}
```

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(58, 29, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 29, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 118.968, 306.244 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(58, 29, 239) }
```

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

```
.border{ border-color:rgb(58, 29, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 29, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 29, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 29, 239);  
box-shadow:4px 4px 4px 4px rgb(58, 29,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 118.968, 306.244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 29, 239) }
```

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

```
.background{ background-color: rgb(58, 29,  
239) }
```

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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