

Converting Colors

CIELCh(30, 127.744, 306.385)

Have a look what the booklet for
CIELCh(30, 127.744, 306.385)
contains.

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Color

CIELCh(30, 127.335, 306.323)

Conversions

Conversions Part 1

Format	Color
Hex	0300EF
RGB	3, 0, 239
RGB Percent	1%, 0%, 94%
CMY	0.9882, 1.0000, 0.0634
CMYK	0.99, 1.00, 0.00, 0.06
HSL	241°, 100%, 47%
HSV	241°, 100%, 94%
XYZ	15.5904, 6.2359, 81.9199
YIQ	28.1430, -74.9310, 74.9650

Conversions

Conversions Part 2

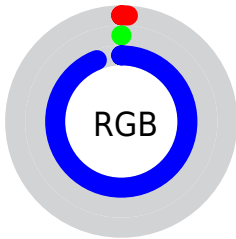
Format	Color
RYB	3, 0, 239
Decimal	196847
CIELab	30.00, 75.43, -102.59
CIELCh	30, 127.335, 306.323
Yxy	6.2359, 0.1503, 0.0601
Android (android.graphics.Color)	4278386927 (0xFF0300EF)
YUV	28.1430, 103.9525, -22.0504
Hunter-Lab	24.9718, 67.7407, -177.0204

Details

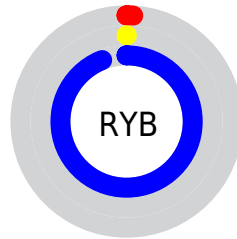
The CIELCh color **30, 127.335, 306.323** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **91, 92.242, 103.645**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 106.127, 306.803**, and **21, 103.454, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **30, 127.290, 306.314**, and if you desaturate by 10%, it is **32, 121.916, 305.554**.

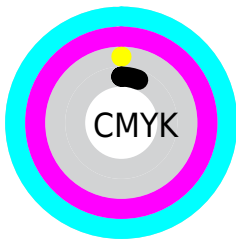
Distribution



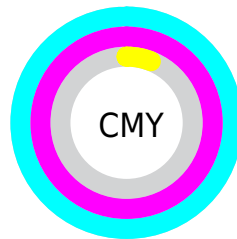
- Red (1%)
- Green (0%)
- Blue (94%)



- Red (1%)
- Yellow (0%)
- Blue (94%)



- Cyan (99%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)




- Cyan (99%)
- Magenta (100%)
- Yellow (6%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 127.335, 306.323 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 30, 127.335, 306.323 by changing the saturation by 10% instead.


 30, 127.335,
306.323


 30, 127.335,
306.323


 100, 127.335,
306.323


 20, 127.335,
306.323


 50, 127.335,
306.323


 10, 127.335,
306.323

 60, 127.335,
306.323

 0, 127.335,
306.323

 70, 127.335,
306.323

 80, 127.335,
306.323

 90, 127.335,
306.323

■ 30, 127.335,
306.323

■ 30, 127.335,
306.323

■ 30, 127.290,
306.314

■ 32, 121.916,
305.554

■ 36, 111.799,
304.099

■ 42, 98.248,
302.118

■ 48, 83.281,
299.955

■ 56, 68.141,
297.861

■ 63, 53.380,
295.966

■ 71, 39.181,
294.313

■ 79, 25.572,

292.897

■ 87, 12.529,
291.698

Harmonies

Complementary

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



30, 127.335, 306.323



91, 92.242, 103.645

Rectangle

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



30, 127.335, 306.323



30, 127.335, 356.323



30, 127.335, 126.323



30, 127.335, 176.323

Sweetspot

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



30, 127.290, 306.314



75, 41.326, 294.329



86, 47.692, 196.386



37, 28.453, 295.000



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30, 127.290, 306.314



32, 133.761, 306.312



38, 118.959, 311.714



46, 7.133, 291.640



22, 104.491, 306.325



3, 37.838, 299.045

Inverse Universe

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



56, 108.885, 328.746



60, 114.413, 328.748



85, 104.087, 128.310



47, 8.535, 325.281



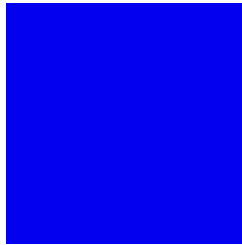
43, 89.413, 328.738



10, 39.086, 328.667

Previews

White Background



This preview shows how the CIE LCh color 30, 127.335, 306.323 looks on a white background.

Color Contrast Check

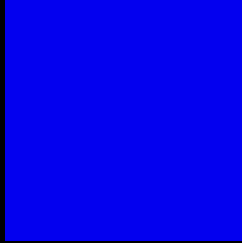
Large Text (above 18pt) WCAG AA ✓ Pass

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 30, 127.335, 306.323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

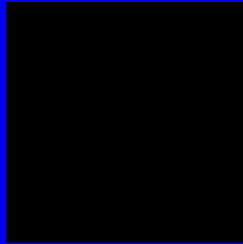
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 127.335, 306.323

Background



This preview shows how black text looks on a background with the CIELCh color 30, 127.335, 306.323.



This preview shows how white text looks on a background with the CIELCh color 30, 127.335, 306.323.

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

30, 127.354, 306.314

Protanopia

31, 48.718, 285.130

Deuteranopia

31, 33.321, 269.778



Tritanopia
30, 21.063, 203.604

Trichromacy



Original Color
30, 127.354, 306.314

Protanomaly
27, 84.759, 300.575

Deuteranomaly
26, 75.208, 298.644

Tritanomaly
25, 58.101, 293.944

Monochromacy



Original Color
30, 127.354, 306.314

Achromatopsia
10, 0.003, 296.813

Achromatomaly
13, 59.381, 303.606

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 127.335, 306.323 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(3, 0, 239)` looks like.

```
.text, #text, p{  
    color:rgb(3, 0, 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(3, 0, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 0, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 127.335, 306.323 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(3, 0, 239) }
```

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

```
.border{ border-color:rgb(3, 0, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 0, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 0, 239); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 0, 239); box-shadow:4px  
4px 4px 4px rgb(3, 0, 239) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 127.335, 306.323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 0, 239) }
```

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

```
.background{ background-color: rgb(3, 0,  
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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