

Converting Colors

CIELCh(31, 127.600, 306.048)

Have a look what the booklet for
CIELCh(31, 127.600, 306.048)
contains.

CIELCh(31, 127.633, 306.041)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(31, 127.633, 306.041)

Conversions

Conversions Part 1

Format	Color
Hex	0308F3
RGB	3, 8, 243
RGB Percent	1%, 3%, 95%
CMY	0.9877, 0.9696, 0.0476
CMYK	0.99, 0.97, 0.00, 0.05
HSL	239°, 97%, 48%
HSV	239°, 99%, 95%
XYZ	16.2804, 6.6515, 85.1154
YIQ	33.2950, -78.4150, 72.0250

Conversions

Conversions Part 2

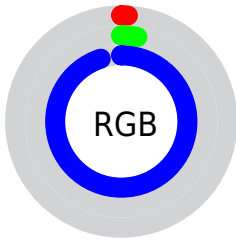
Format	Color
R_{YB}	3, 8, 243
Decimal	198899
CIE _{Lab}	31.00, 75.09, -103.20
CIE _{LCh}	31, 127.633, 306.041
Yxy	6.6515, 0.1507, 0.0616
Android (android.graphics.Color)	4278388979 (0xFF0308F3)
YUV	33.2950, 103.3846, -26.5687
Hunter-Lab	25.7905, 67.5461, -177.6191

Details

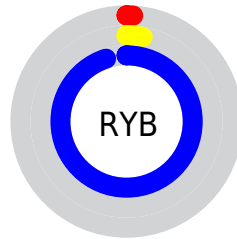
The CIELCh color **31, 127.633, 306.041** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **92, 91.833, 101.644**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 104.042, 306.438**, and **22, 105.148, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **31, 128.194, 306.123**, and if you desaturate by 10%, it is **33, 121.191, 305.041**.

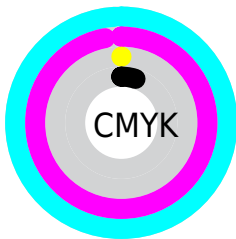
Distribution



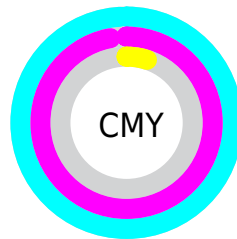
- Red (1%)
- Green (3%)
- Blue (95%)



- Red (1%)
- Yellow (3%)
- Blue (95%)



- Cyan (99%)
- Magenta (97%)
- Yellow (0%)
- Black (5%)





- Cyan (99%)
- Magenta (97%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 127.633, 306.041 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 31, 127.633, 306.041 by changing the saturation by 10% instead.


 31, 127.633,
306.041


 31, 127.633,
306.041


 100, 127.633,
306.041


 21, 127.633,
306.041


 51, 127.633,
306.041


 11, 127.633,
306.041


 61, 127.633,
306.041

 1, 127.633,
306.041

 71, 127.633,
306.041

 0, 127.633,
306.041

 81, 127.633,
306.041

 91, 127.633,
306.041

■ 31, 127.633,
306.041

■ 31, 127.633,
306.041

■ 31, 128.194,
306.123

■ 33, 121.191,
305.041

■ 38, 109.942,
303.285

■ 44, 95.854,
301.089

■ 51, 80.773,
298.789

■ 58, 65.726,
296.611

■ 66, 51.135,
294.665

■ 73, 37.124,
292.978

■ 81, 23.695,

291.540

■ 89, 10.814,
290.323

Harmonies

Complementary

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



31, 127.633, 306.041



92, 91.833, 101.644

Rectangle

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



31, 127.633, 306.041



31, 127.633, 356.041



31, 127.633, 126.041



31, 127.633, 176.041

Sweetspot

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



31, 127.636, 306.042



76, 40.475, 293.194



87, 49.530, 191.376



37, 27.864, 293.890



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



31, 127.636, 306.042



33, 133.062, 306.133



38, 120.786, 311.051



47, 7.113, 290.411



22, 104.754, 306.058



3, 39.370, 299.459

Inverse Universe

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



51, 99.369, 39.178



53, 103.818, 39.472



86, 103.844, 127.030



48, 5.079, 18.385



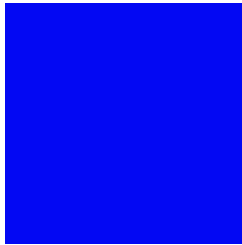
39, 81.676, 39.222



8, 30.900, 24.242

Previews

White Background



This preview shows how the CIE LCh color 31, 127.633, 306.041 looks on a white background.

Color Contrast Check

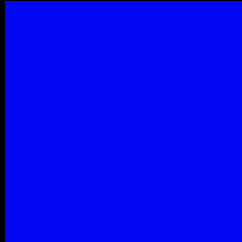
Large Text (above 18pt) WCAG AA ✓ Pass

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 31, 127.633, 306.041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

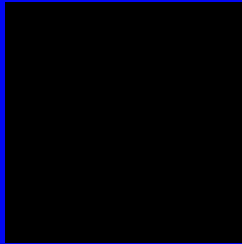
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 127.633, 306.041

Background



This preview shows how black text looks on a background with the CIELCh color 31, 127.633, 306.041.



This preview shows how white text looks on a background with the CIELCh color 31, 127.633, 306.041.

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


31, 127.650, 306.033

Protanopia

31, 49.821, 285.488

Deuteranopia

31, 33.856, 270.103



Tritanopia
31, 21.540, 201.653

Trichromacy



Original Color
31, 127.650, 306.033

Protanomaly
28, 84.530, 300.097

Deuteranomaly
27, 74.359, 297.964

Tritanomaly
26, 56.501, 292.473

Monochromacy



Original Color
31, 127.650, 306.033

Achromatopsia
13, 0.003, 296.813

Achromatomaly
15, 57.860, 302.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 127.633, 306.041 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, 8, 243)` looks like.

```
.text, #text, p{  
    color:rgb(3, 8, 243)  
}
```

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, 8, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 8, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 127.633, 306.041 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, 8, 243) }
```

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

```
.border{ border-color:rgb(3, 8, 243) }
```

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

Here you see how a box with a 4 pixel rgb(3, 8, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 8, 243); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 8, 243); box-shadow:4px  
4px 4px 4px rgb(3, 8, 243) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 127.633, 306.041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 8, 243) }
```

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

```
.background{ background-color: rgb(3, 8,  
243) }
```

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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