

Converting Colors

CIELCh(31, 128.145, 306.403)

Have a look what the booklet for
CIELCh(31, 128.145, 306.403)
contains.

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Color

CIELCh(31, 128.274, 306.417)

Conversions

Conversions Part 1

Format	Color
Hex	1402F3
RGB	20, 2, 243
RGB Percent	8%, 1%, 95%
CMY	0.9227, 0.9928, 0.0474
CMYK	0.92, 0.99, 0.00, 0.05
HSL	244°, 99%, 48%
HSV	244°, 99%, 95%
XYZ	16.4669, 6.6515, 85.1442
YIQ	34.8560, -66.6330, 78.7670

Conversions

Conversions Part 2

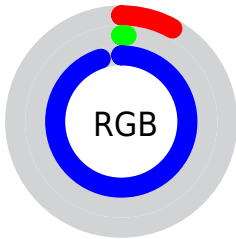
Format	Color
R _Y B	20, 2, 243
Decimal	1311475
CIE Lab	31.00, 76.15, -103.22
CIE LCh	31, 128.274, 306.417
Yxy	6.6515, 0.1521, 0.0614
Android (android.graphics.Color)	4279501555 (0xFF1402F3)
YUV	34.8560, 102.6150, -13.0287
Hunter-Lab	25.7905, 68.8367, -177.6854

Details

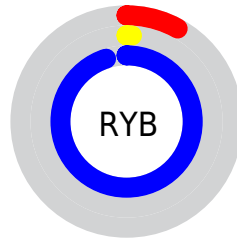
The CIELCh color **31, 128.274, 306.417** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **92, 93.665, 107.466**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 104.940, 307.018**, and **22, 105.148, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **31, 128.624, 306.459**, and if you desaturate by 10%, it is **33, 122.428, 305.833**.

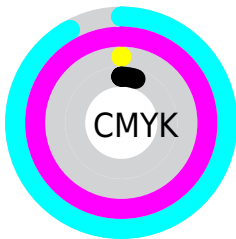
Distribution



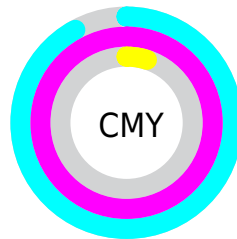
- Red (8%)
- Green (1%)
- Blue (95%)



- Red (8%)
- Yellow (1%)
- Blue (95%)



- Cyan (92%)
- Magenta (99%)
- Yellow (0%)
- Black (5%)





- Cyan (92%)
- Magenta (99%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 128.274, 306.417 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, 128.274, 306.417 by changing the saturation by 10% instead.


 31, 128.274,
306.417


 31, 128.274,
306.417


 100, 128.274,
306.417


 21, 128.274,
306.417


 51, 128.274,
306.417


 11, 128.274,
306.417


 61, 128.274,
306.417

 1, 128.274,
306.417

 71, 128.274,
306.417

 0, 128.274,
306.417

 81, 128.274,
306.417

 91, 128.274,
306.417

■ 31, 128.274,
306.417

■ 31, 128.274,
306.417

■ 31, 128.624,
306.459

■ 33, 122.428,
305.833

■ 38, 111.879,
304.605

■ 43, 98.156,
302.921

■ 50, 83.122,
301.081

■ 58, 67.911,
299.292

■ 65, 53.044,
297.662

■ 73, 38.709,
296.229

■ 81, 24.949,

294.993

■ 89, 11.749,
293.936

Harmonies

Complementary

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



31, 128.274, 306.417



92, 93.665, 107.466

Rectangle

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



31, 128.274, 306.417



31, 128.274, 356.417



31, 128.274, 126.417



31, 128.274, 176.417

Sweetspot

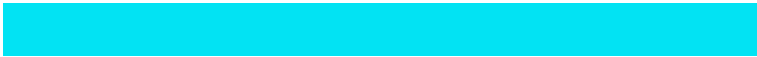
The Sweet Spot groups the original color and five complimentary colors.



31, 128.277, 306.418



76, 41.372, 296.341



83, 44.287, 207.856



37, 28.478, 296.929



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, 128.277, 306.418



33, 133.456, 306.452



41, 118.466, 313.381



47, 7.270, 293.960



22, 105.250, 306.510



3, 40.120, 301.480

Inverse Universe

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



57, 104.911, 331.454



59, 108.911, 331.490



86, 107.409, 130.268



48, 8.326, 327.022



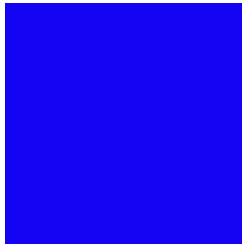
43, 86.070, 331.423



10, 38.564, 330.971

Previews

White Background



This preview shows how the CIE LCh color 31, 128.274, 306.417 looks on a white background.

Color Contrast Check

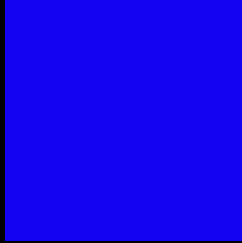
Large Text (above 18pt) WCAG AA ✓ Pass

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, 128.274, 306.417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

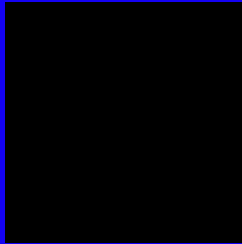
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 128.274, 306.417

Background



This preview shows how black text looks on a background with the CIELCh color 31, 128.274, 306.417.



This preview shows how white text looks on a background with the CIELCh color 31, 128.274, 306.417.

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, 128.274, 306.417

Protanopia

31, 50.406, 285.806

Deuteranopia

31, 34.384, 270.812

Trichromacy



Original Color
31, 128.274, 306.417

Protanomaly
28, 86.213, 300.770

Deuteranomaly
27, 76.166, 298.849

Monochromacy



Original Color
31, 128.274, 306.417

Achromatopsia
14, 0.003, 296.813

Achromatomaly
16, 59.351, 303.753

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 128.274, 306.417 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(20, 2, 243)` looks like.

```
.text, #text, p{  
    color:rgb(20, 2, 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(20, 2, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 2, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 128.274, 306.417 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(20, 2, 243) }
```

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

```
.border{ border-color:rgb(20, 2, 243) }
```

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

Here you see how a box with a 4 pixel rgb(20, 2, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 2, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 2, 243);  
box-shadow:4px 4px 4px 4px rgb(20, 2, 243)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 128.274, 306.417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 2, 243) }
```

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

```
.background{ background-color: rgb(20, 2,  
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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