

Converting Colors

CIELCh(31, 129.560, 306.372)

Have a look what the booklet for
CIELCh(31, 129.560, 306.372)
contains.

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Color

CIELCh(31, 129.641, 306.372)

Conversions

Conversions Part 1

Format	Color
Hex	0A00F5
RGB	10, 0, 245
RGB Percent	4%, 0%, 96%
CMY	0.9615, 1.0000, 0.0394
CMYK	0.96, 1.00, 0.00, 0.04
HSL	242°, 100%, 48%
HSV	242°, 100%, 96%
XYZ	16.5966, 6.6515, 86.7631
YIQ	30.9200, -72.6850, 78.3150

Conversions

Conversions Part 2

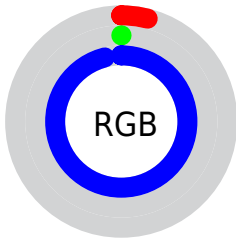
Format	Color
R_{YB}	10, 0, 245
Decimal	655605
CIE Lab	31.00, 76.88, -104.38
CIE LCh	31, 129.641, 306.372
Yxy	6.6515, 0.1509, 0.0605
Android (android.graphics.Color)	4278845685 (0xFF0A00F5)
YUV	30.9200, 105.5414, -18.3468
Hunter-Lab	25.7905, 69.7340, -181.4070

Details

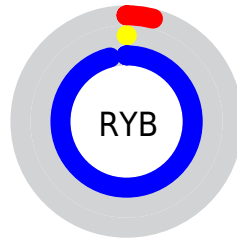
The CIELCh color **31, 129.641, 306.372** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **93, 94.133, 105.373**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 105.488, 307.020**, and **22, 105.992, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **31, 129.628, 306.370**, and if you desaturate by 10%, it is **33, 124.159, 305.701**.

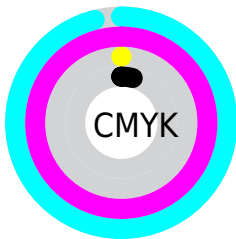
Distribution



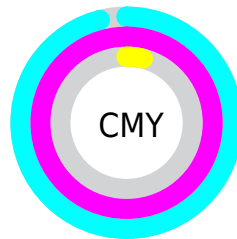
- Red (4%)
- Green (0%)
- Blue (96%)



- Red (4%)
- Yellow (0%)
- Blue (96%)



- Cyan (96%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)





- Cyan (96%)
- Magenta (100%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 129.641, 306.372 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, 129.641, 306.372 by changing the saturation by 10% instead.


 31, 129.641,
306.372


 31, 129.641,
306.372


 100, 129.641,
306.372


 21, 129.641,
306.372


 51, 129.641,
306.372


 11, 129.641,
306.372


 61, 129.641,
306.372

 1, 129.641,
306.372

 71, 129.641,
306.372

 0, 129.641,
306.372

 81, 129.641,
306.372

 91, 129.641,
306.372

■ 31, 129.641,
306.372

■ 31, 129.641,
306.372

■ 31, 129.628,
306.370

■ 33, 124.159,
305.701

■ 37, 113.875,
304.372

■ 43, 100.133,
302.536

■ 50, 84.941,
300.520

■ 57, 69.541,
298.559

■ 65, 54.499,
296.777

■ 73, 40.011,
295.215

■ 81, 26.117,

293.873

■ 89, 12.797,
292.732

Harmonies

Complementary

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



31, 129.641, 306.372



93, 94.133, 105.373

Rectangle

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



31, 129.641, 306.372



31, 129.641, 356.372



31, 129.641, 126.372



31, 129.641, 176.372

Sweetspot

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



31, 129.628, 306.370



76, 41.341, 295.225



86, 46.400, 201.878



37, 28.461, 295.857



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, 129.628, 306.370



32, 133.642, 306.366



40, 120.392, 312.483



47, 7.261, 292.678



22, 105.431, 306.404



3, 40.017, 300.697

Inverse Universe

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



57, 108.577, 329.923



60, 111.923, 329.927



86, 107.261, 129.387



48, 8.523, 326.041



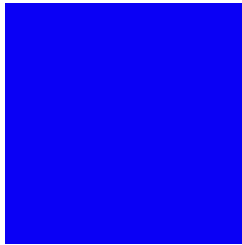
44, 88.405, 329.893



11, 39.470, 329.665

Previews

White Background



This preview shows how the CIE LCh color 31, 129.641, 306.372 looks on a white background.

Color Contrast Check

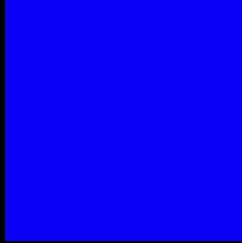
Large Text (above 18pt) WCAG AA ✓ Pass

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, 129.641, 306.372 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, 129.641, 306.372

Background



This preview shows how black text looks on a background with the CIELCh color 31, 129.641, 306.372.



This preview shows how white text looks on a background with the CIELCh color 31, 129.641, 306.372.

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, 129.641, 306.372

Protanopia

31, 49.755, 285.193

Deuteranopia

31, 33.866, 269.705



Tritanopia
31, 21.429, 203.451

Trichromacy



Original Color
31, 129.641, 306.372

Protanomaly
28, 86.780, 300.761

Deuteranomaly
27, 76.755, 298.846

Tritanomaly
25, 59.755, 294.411

Monochromacy



Original Color
31, 129.641, 306.372

Achromatopsia
12, 0.003, 296.813

Achromatomaly
14, 60.295, 303.694

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 129.641, 306.372 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(10, 0, 245)` looks like.

```
.text, #text, p{  
    color:rgb(10, 0, 245)  
}
```

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(10, 0, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 0, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 129.641, 306.372 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(10, 0, 245) }
```

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

```
.border{ border-color:rgb(10, 0, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 0, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 0, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 0, 245);  
box-shadow:4px 4px 4px 4px rgb(10, 0, 245)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 129.641, 306.372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 0, 245) }
```

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

```
.background{ background-color: rgb(10, 0,  
245) }
```

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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