

Converting Colors

CIELCh(31, 123.238, 305.304)

Have a look what the booklet for
CIELCh(31, 123.238, 305.304)
contains.

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Color

CIELCh(31, 122.918, 305.382)

Conversions

Conversions Part 1

Format	Color
Hex	0015EE
RGB	0, 21, 238
RGB Percent	0%, 8%, 93%
CMY	1.0000, 0.9196, 0.0682
CMYK	1.00, 0.91, 0.00, 0.07
HSL	235°, 100%, 47%
HSV	235°, 100%, 93%
XYZ	15.6003, 6.6515, 81.0419
YIQ	39.4590, -82.1730, 63.0350

Conversions

Conversions Part 2

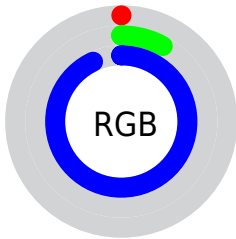
Format	Color
RYB	0, 19, 238
Decimal	5614
CIELab	31.00, 71.17, -100.22
CIELCh	31, 122.918, 305.382
Yxy	6.6515, 0.1510, 0.0644
Android (android.graphics.Color)	4278195694 (0xFF0015EE)
YUV	39.4590, 97.8807, -34.6055
Hunter-Lab	25.7905, 62.8386, -168.2544

Details

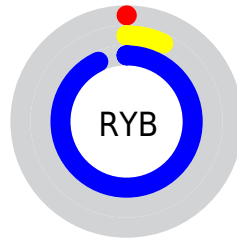
The CIELCh color **31, 122.918, 305.382** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **86, 86.308, 96.908**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 101.470, 305.565**, and **21, 103.029, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **31, 122.878, 305.409**, and if you desaturate by 10%, it is **34, 114.603, 303.842**.

Distribution



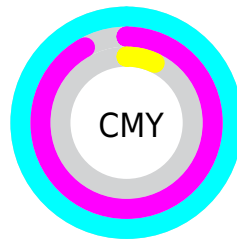
- Red (0%)
- Green (8%)
- Blue (93%)



- Red (0%)
- Yellow (7%)
- Blue (93%)



- Cyan (100%)
- Magenta (91%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (92%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 122.918, 305.382 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, 122.918, 305.382 by changing the saturation by 10% instead.


 31, 122.918,
305.382


 31, 122.918,
305.382


 100, 122.918,
305.382


 21, 122.918,
305.382


 51, 122.918,
305.382


 11, 122.918,
305.382


 61, 122.918,
305.382

 1, 122.918,
305.382

 71, 122.918,
305.382

 0, 122.918,
305.382

 81, 122.918,
305.382

 91, 122.918,
305.382

■ 31, 122.918,
305.382

■ 31, 122.918,
305.382

■ 31, 122.878,
305.409

■ 34, 114.603,
303.842

■ 39, 102.825,
301.626

■ 44, 89.284,
299.112

■ 51, 75.300,
296.595

■ 58, 61.538,
294.260

■ 65, 48.243,
292.190

■ 72, 35.468,
290.400

■ 79, 23.195,

288.871

■ 87, 11.389,
287.575

Harmonies

Complementary

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



31, 122.918, 305.382



86, 86.308, 96.908

Rectangle

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



31, 122.918, 305.382



31, 122.918, 355.382



31, 122.918, 125.382



31, 122.918, 175.382

Sweetspot

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



31, 122.878, 305.409



77, 37.568, 290.419



85, 52.273, 182.069



38, 25.846, 291.144



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, 122.878, 305.409



34, 129.860, 305.458



35, 121.033, 309.698



46, 6.512, 287.514



23, 100.470, 305.182



4, 35.542, 297.199

Inverse Universe

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



50, 95.514, 37.171



53, 100.949, 37.320



85, 100.263, 124.605



47, 5.016, 12.969



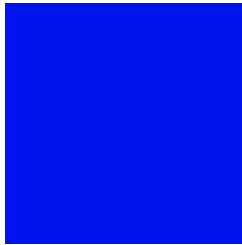
38, 78.086, 36.497



8, 29.408, 20.316

Previews

White Background



This preview shows how the CIE LCh color 31, 122.918, 305.382 looks on a white background.

Color Contrast Check

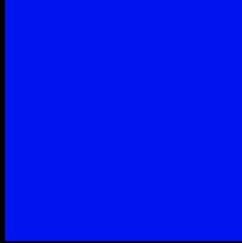
Large Text (above 18pt) WCAG AA ✓ Pass

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, 122.918, 305.382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

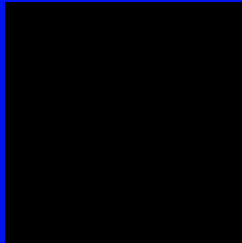
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 122.918, 305.382

Background



This preview shows how black text looks on a background with the CIELCh color 31, 122.918, 305.382.



This preview shows how white text looks on a background with the CIELCh color 31, 122.918,

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, 122.918, 305.382

Protanopia

31, 49.237, 285.162

Deuteranopia

31, 33.856, 270.103



Tritanopia
31, 21.246, 203.527

Trichromacy



Original Color
31, 122.918, 305.382

Protanomaly
29, 80.301, 298.654

Deuteranomaly
28, 70.461, 296.208

Tritanomaly
27, 52.539, 289.874

Monochromacy



Original Color
31, 122.918, 305.382

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 53.573, 300.013

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 122.918, 305.382 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(0, 21, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 21, 238)  
}
```

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(0, 21, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 21, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 122.918, 305.382 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(0, 21, 238) }
```

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

```
.border{ border-color:rgb(0, 21, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 21, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 21, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 21, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 21, 238)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 122.918, 305.382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 21, 238) }
```

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

```
.background{ background-color: rgb(0, 21,  
238) }
```

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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