

Converting Colors

CIELCh(31, 126.203, 307.029)

Have a look what the booklet for
CIELCh(31, 126.203, 307.029)
contains.

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Color

CIELCh(31, 126.037, 306.970)

Conversions

Conversions Part 1

Format	Color
Hex	2900EE
RGB	41, 0, 238
RGB Percent	16%, 0%, 93%
CMY	0.8397, 1.0000, 0.0647
CMYK	0.83, 1.00, 0.00, 0.06
HSL	250°, 100%, 47%
HSV	250°, 100%, 94%
XYZ	16.4045, 6.6515, 81.6889
YIQ	39.3910, -51.9620, 82.7100

Conversions

Conversions Part 2

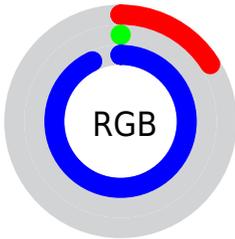
Format	Color
RYB	41, 0, 238
Decimal	2687214
CIELab	31.00, 75.80, -100.70
CIELCh	31, 126.037, 306.970
Yxy	6.6515, 0.1566, 0.0635
Android (android.graphics.Color)	4280877294 (0xFF2900EE)
YUV	39.3910, 97.9142, 1.4111
Hunter-Lab	25.7905, 68.4048, -169.7419

Details

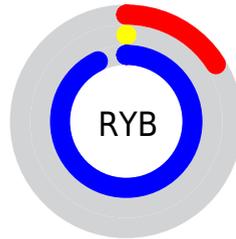
The CIELCh color **31, 126.037, 306.970** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **89, 93.993, 113.269**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 105.176, 307.827**, and **21, 103.029, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **31, 125.892, 306.940**, and if you desaturate by 10%, it is **34, 120.104, 306.708**.

Distribution



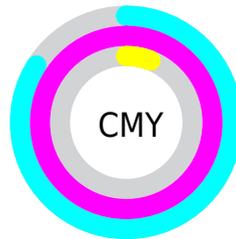
- Red (16%)
- Green (0%)
- Blue (93%)



- Red (16%)
- Yellow (0%)
- Blue (93%)



- Cyan (83%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)



- Cyan (84%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 126.037, 306.970 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, 126.037, 306.970 by changing the saturation by 10% instead.

 31, 126.037,
306.970

 31, 126.037,
306.970

 100, 126.037,
306.970

 21, 126.037,
306.970

 51, 126.037,
306.970

 11, 126.037,
306.970

 61, 126.037,
306.970

 1, 126.037,
306.970

 71, 126.037,
306.970

 0, 126.037,
306.970

 81, 126.037,
306.970

 91, 126.037,
306.970

■ 31, 126.037,
306.970

■ 31, 126.037,
306.970

■ 31, 125.892,
306.940

■ 34, 120.104,
306.708

■ 38, 110.176,
305.942

■ 44, 97.193,
304.751

■ 50, 82.790,
303.379

■ 57, 68.034,
302.000

■ 64, 53.471,
300.710

■ 72, 39.337,
299.551

■ 79, 25.714,

298.532

■ 87, 12.611,
297.649

Harmonies

Complementary

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



31, 126.037, 306.970



89, 93.993, 113.269

Rectangle

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



31, 126.037, 306.970



31, 126.037, 356.970



31, 126.037, 126.970



31, 126.037, 176.970

Sweetspot

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



31, 125.892, 306.940



76, 41.539, 299.562



74, 41.399, 228.866



37, 28.575, 300.036



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, 125.892, 306.940



33, 132.474, 306.920



44, 114.677, 316.170



46, 7.188, 297.607



23, 103.324, 307.036



3, 38.292, 302.724

Inverse Universe

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



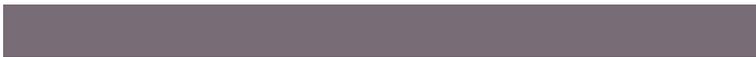
54, 95.915, 336.624



58, 100.851, 336.661



84, 109.111, 132.720



47, 7.646, 330.101



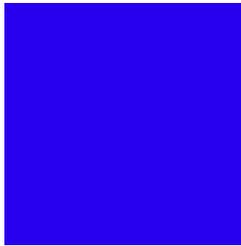
42, 79.006, 336.461



9, 35.123, 335.128

Previews

White Background



This preview shows how the CIELCh color 31, 126.037, 306.970 looks on a white background.

Color Contrast Check

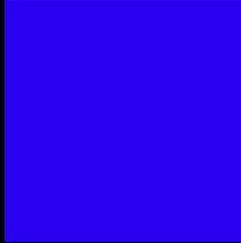
Large Text (above 18pt) WCAG AA ✓ Pass

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, 126.037, 306.970 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, 126.037, 306.970

Background



This preview shows how black text looks on a background with the CIELCh color 31, 126.037, 306.970.



This preview shows how white text looks on a background with the CIELCh color 31, 126.037, 306.970.

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, 125.682, 306.947

Protanopia

31, 49.755, 285.193

Deuteranopia

31, 33.866, 269.705



Tritanopia
31, 21.429, 203.451

Trichromacy



Original Color
31, 125.682, 306.947

Protanomaly
28, 85.043, 300.860

Deuteranomaly
27, 75.514, 299.045

Tritanomaly
25, 57.853, 294.551

Monochromacy



Original Color
31, 125.682, 306.947

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 58.164, 305.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 126.037, 306.970 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(41, 0, 238)` looks like.

```
.text, #text, p{  
    color:rgb(41, 0, 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(41, 0, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 0, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 126.037, 306.970 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(41, 0, 238) }
```

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

```
.border{ border-color:rgb(41, 0, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 0, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 0, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 0, 238);  
box-shadow:4px 4px 4px 4px rgb(41, 0, 238)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 126.037, 306.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 0, 238) }
```

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

```
.background{ background-color: rgb(41, 0,  
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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