

Converting Colors

CIELCh(33, 131.901, 306.030)

Have a look what the booklet for
CIELCh(33, 131.901, 306.030)
contains.

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Color

CIELCh(33, 131.940, 306.037)

Conversions

Conversions Part 1

Format	Color
Hex	0C0BFF
RGB	12, 11, 255
RGB Percent	5%, 4%, 100%
CMY	0.9527, 0.9570, 0.0000
CMYK	0.95, 0.96, 0.00, 0.00
HSL	240°, 100%, 52%
HSV	240°, 96%, 100%
XYZ	18.3209, 7.5373, 95.0953
YIQ	39.1150, -77.7280, 76.0960

Conversions

Conversions Part 2

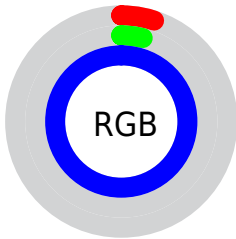
Format	Color
R _Y B	12, 11, 255
Decimal	789503
CIE Lab	33.00, 77.62, -106.69
CIE LCh	33, 131.940, 306.037
Yxy	7.5373, 0.1515, 0.0623
Android (android.graphics.Color)	4278979583 (0xFF0C0BFF)
YUV	39.1150, 106.4313, -23.7799
Hunter-Lab	27.4541, 71.0736, -186.1504

Details

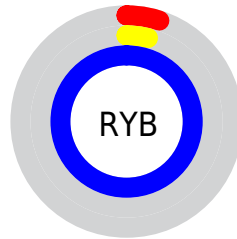
The CIELCh color **33, 131.940, 306.037** is a dark color, and the websafe version is hex **0000FF**. The color can be described as dark saturated blue. A complement of this color would be **97, 96.169, 103.179**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 102.800, 306.773**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **32, 133.796, 306.296**, and if you desaturate by 10%, it is **36, 124.503, 305.009**.

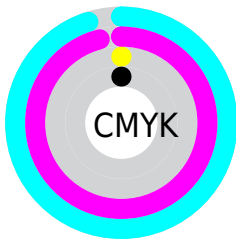
Distribution



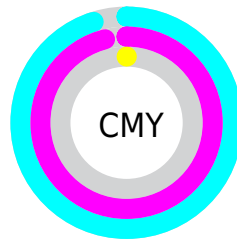
- Red (5%)
- Green (4%)
- Blue (100%)



- Red (5%)
- Yellow (4%)
- Blue (100%)



- Cyan (95%)
- Magenta (96%)
- Yellow (0%)
- Black (0%)





- Cyan (95%)
- Magenta (96%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 131.940, 306.037 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 33, 131.940, 306.037 by changing the saturation by 10% instead.


 33, 131.940,
306.037


 33, 131.940,
306.037


 100, 131.940,
306.037


 23, 131.940,
306.037


 53, 131.940,
306.037


 13, 131.940,
306.037


 63, 131.940,
306.037

 3, 131.940,
306.037

 73, 131.940,
306.037

 0, 131.940,
306.037

 83, 131.940,
306.037

 93, 131.940,
306.037

■ 33, 131.940,
306.037

■ 33, 131.940,
306.037

■ 32, 133.796,
306.296

■ 36, 124.503,
305.009

■ 41, 112.091,
303.256

■ 47, 96.958,
301.111

■ 55, 80.972,
298.902

■ 63, 65.118,
296.834

■ 71, 49.783,
294.999

■ 79, 35.071,
293.416

■ 87, 20.978,

292.069

■ 95, 7.467, 290.935

Harmonies

Complementary

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



33, 131.940, 306.037



97, 96.169, 103.179

Rectangle

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



33, 131.940, 306.037



33, 131.940, 356.037



33, 131.940, 126.037



33, 131.940, 176.037

Sweetspot

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



33, 131.943, 306.038



76, 39.860, 293.911



91, 49.895, 196.399



37, 27.604, 294.591



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



33, 131.943, 306.038



32, 133.796, 306.296



42, 123.246, 311.977



49, 7.504, 291.343



23, 107.758, 306.300



3, 44.138, 301.851

Inverse Universe

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



60, 114.455, 328.387



60, 115.154, 328.415



90, 107.955, 127.848



50, 9.029, 325.067



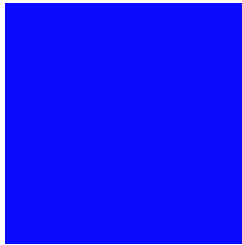
45, 92.756, 328.412



12, 42.690, 328.390

Previews

White Background



This preview shows how the CIE LCh color 33, 131.940, 306.037 looks on a white background.

Color Contrast Check

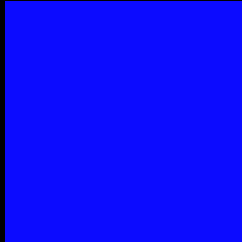
Large Text (above 18pt) WCAG AA ✓ Pass

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 33, 131.940, 306.037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

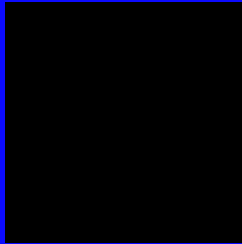
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 131.940, 306.037

Background



This preview shows how black text looks on a background with the CIELCh color 33, 131.940, 306.037.



This preview shows how white text looks on a background with the CIELCh color 33, 131.940,

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

33, 131.940, 306.037

Protanopia

33, 51.879, 285.589

Deuteranopia

33, 35.461, 270.633



Tritanopia
33, 22.157, 203.162

Trichromacy



Original Color
33, 131.940, 306.037

Protanomaly
30, 87.394, 299.971

Deuteranomaly
29, 76.745, 297.826

Tritanomaly
28, 58.463, 292.417

Monochromacy



Original Color
33, 131.940, 306.037

Achromatopsia
16, 0.003, 296.813

Achromatomaly
18, 59.635, 302.242

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 131.940, 306.037 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(12, 11, 255)` looks like.

```
.text, #text, p{  
    color:rgb(12, 11, 255)  
}
```

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(12, 11, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 11, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 131.940, 306.037 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(12, 11, 255) }
```

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

```
.border{ border-color:rgb(12, 11, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 11, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 11, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 11, 255);  
box-shadow:4px 4px 4px 4px rgb(12, 11,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 131.940, 306.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 11, 255) }
```

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

```
.background{ background-color: rgb(12, 11,  
255) }
```

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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