

Converting Colors

CIELCh(33, 131.318, 305.770)

Have a look what the booklet for
CIELCh(33, 131.318, 305.770)
contains.

CIELCh(33, 131.430, 305.792)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(33, 131.430, 305.792)

Conversions

Conversions Part 1

Format	Color
Hex	000FFF
RGB	0, 15, 255
RGB Percent	0%, 6%, 100%
CMY	1.0000, 0.9422, 0.0006
CMYK	1.00, 0.94, 0.00, 0.00
HSL	237°, 100%, 50%
HSV	237°, 100%, 100%
XYZ	18.1776, 7.5373, 94.9719
YIQ	37.8750, -85.9800, 71.4600

Conversions

Conversions Part 2

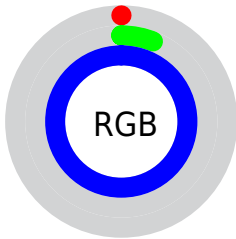
Format	Color
RYB	0, 14, 255
Decimal	4095
CIELab	33.00, 76.87, -106.61
CIELCh	33, 131.430, 305.792
Yxy	7.5373, 0.1506, 0.0625
Android (android.graphics.Color)	4278194175 (0xFF000FFF)
YUV	37.8750, 107.0426, -33.2164
Hunter-Lab	27.4541, 70.1416, -185.8838

Details

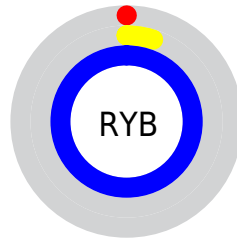
The CIELCh color **33, 131.430, 305.792** is a dark color, and the websafe version is hex **0000FF**. The color can be described as dark saturated blue. A complement of this color would be **93, 92.805, 98.965**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 101.823, 306.283**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **33, 131.416, 305.802**, and if you desaturate by 10%, it is **36, 123.922, 304.542**.

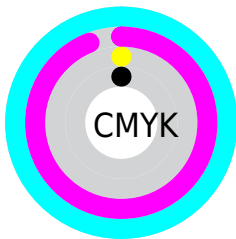
Distribution



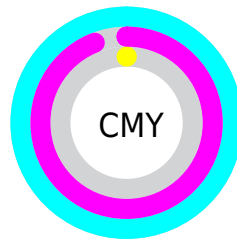
- Red (0%)
- Green (6%)
- Blue (100%)



- Red (0%)
- Yellow (5%)
- Blue (100%)



- Cyan (100%)
- Magenta (94%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (94%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 131.430, 305.792 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, 131.430, 305.792 by changing the saturation by 10% instead.


 33, 131.430,
305.792


 33, 131.430,
305.792


 100, 131.430,
305.792


 23, 131.430,
305.792


 53, 131.430,
305.792


 13, 131.430,
305.792


 63, 131.430,
305.792

 3, 131.430,
305.792

 73, 131.430,
305.792

 0, 131.430,
305.792

 83, 131.430,
305.792

 93, 131.430,
305.792

■ 33, 131.430,
305.792

■ 33, 131.430,
305.792

■ 33, 131.416,
305.802

■ 36, 123.922,
304.542

■ 40, 111.996,
302.556

■ 46, 97.600,
300.183

■ 53, 82.418,
297.744

■ 61, 67.357,
295.454

■ 69, 52.777,
293.412

■ 76, 38.772,
291.644

■ 84, 25.335,

290.135

■ 92, 12.429,
288.857

Harmonies

Complementary

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



33, 131.430, 305.792



93, 92.805, 98.965

Rectangle

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



33, 131.430, 305.792



33, 131.430, 355.792



33, 131.430, 125.792



33, 131.430, 175.792

Sweetspot

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



33, 131.416, 305.802



76, 38.791, 291.644



91, 53.160, 186.506



37, 26.696, 292.357



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, 131.416, 305.802



33, 131.478, 305.803



39, 126.803, 310.273



49, 7.063, 288.799



24, 105.207, 305.621



4, 42.291, 300.768

Inverse Universe

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



53, 102.286, 38.390



53, 102.335, 38.390



90, 106.980, 125.990



50, 5.261, 15.266



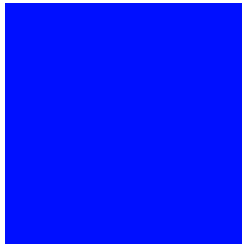
40, 81.822, 37.820



10, 32.905, 24.850

Previews

White Background



This preview shows how the CIELCh color 33, 131.430, 305.792 looks on a white background.

Color Contrast Check

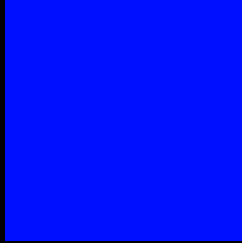
Large Text (above 18pt) WCAG AA ✓ Pass

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, 131.430, 305.792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

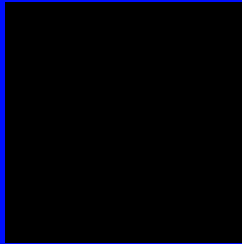
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 131.430, 305.792

Background



This preview shows how black text looks on a background with the CIELCh color 33, 131.430, 305.792.



This preview shows how white text looks on a background with the CIELCh color 33, 131.430, 305.792.

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, 131.430, 305.792

Protanopia

33, 51.879, 285.589

Deuteranopia

33, 35.461, 270.633



Tritanopia
33, 22.157, 203.162

Trichromacy



Original Color
33, 131.430, 305.792

Protanomaly
30, 86.818, 299.650

Deuteranomaly
29, 76.124, 297.407

Tritanomaly
28, 57.810, 291.729

Monochromacy



Original Color
33, 131.430, 305.792

Achromatopsia
15, 0.003, 296.813

Achromatomaly
17, 58.565, 301.155

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 131.430, 305.792 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, 15, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 15, 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(0, 15, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 15, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 131.430, 305.792 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, 15, 255) }
```

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

```
.border{ border-color:rgb(0, 15, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 15, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 15, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 15, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 15, 255)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 131.430, 305.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 15, 255) }
```

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

```
.background{ background-color: rgb(0, 15,  
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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