

Converting Colors

CIELCh(33, 132.942, 306.488)

Have a look what the booklet for
CIELCh(33, 132.942, 306.488)
contains.

CIELCh(33, 132.758, 306.474)	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>	27

Color

CIELCh(33, 132.758, 306.474)

Conversions

Conversions Part 1

Format	Color
Hex	1B03FF
RGB	27, 3, 255
RGB Percent	11%, 1%, 100%
CMY	0.8922, 0.9874, 0.0000
CMYK	0.89, 0.99, 0.00, 0.00
HSL	246°, 100%, 51%
HSV	246°, 99%, 100%
XYZ	18.5690, 7.5373, 95.1888
YIQ	38.9040, -66.5880, 83.4600

Conversions

Conversions Part 2

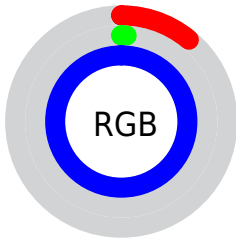
Format	Color
R_{YB}	27, 3, 255
Decimal	1770495
CIE Lab	33.00, 78.92, -106.75
CIE LCh	33, 132.758, 306.474
Yxy	7.5373, 0.1531, 0.0621
Android (android.graphics.Color)	4279960575 (0xFF1B03FF)
YUV	38.9040, 106.5353, -10.4398
Hunter-Lab	27.4541, 72.6864, -186.3524

Details

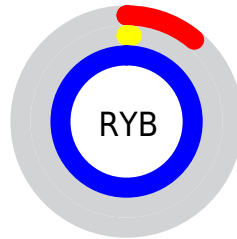
The CIELCh color **33, 132.758, 306.474** is a dark color, and the websafe version is hex **0000FF**. The color can be described as dark saturated blue. A complement of this color would be **95, 97.346, 108.816**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 103.711, 307.370**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **33, 133.291, 306.528**, and if you desaturate by 10%, it is **36, 126.534, 305.972**.

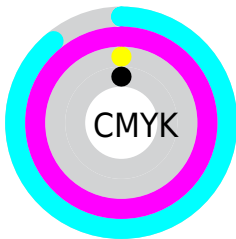
Distribution



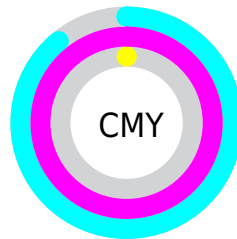
- Red (11%)
- Green (1%)
- Blue (100%)



- Red (11%)
- Yellow (1%)
- Blue (100%)



- Cyan (89%)
- Magenta (99%)
- Yellow (0%)
- Black (0%)





- Cyan (89%)
- Magenta (99%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 132.758, 306.474 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, 132.758, 306.474 by changing the saturation by 10% instead.


 33, 132.758,
306.474


 33, 132.758,
306.474


 100, 132.758,
306.474


 23, 132.758,
306.474


 53, 132.758,
306.474


 13, 132.758,
306.474


 63, 132.758,
306.474

 3, 132.758,
306.474

 73, 132.758,
306.474

 0, 132.758,
306.474

 83, 132.758,
306.474

 93, 132.758,
306.474

■ 33, 132.758,
306.474

■ 33, 132.758,
306.474

■ 33, 133.291,
306.528

■ 36, 126.534,
305.972

■ 40, 115.468,
304.823

■ 46, 101.208,
303.239

■ 53, 85.628,
301.505

■ 61, 69.863,
299.816

■ 69, 54.442,
298.274

■ 77, 39.563,
296.914

■ 85, 25.271,

295.737

■ 93, 11.556,
294.730

Harmonies

Complementary

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



33, 132.758, 306.474



95, 97.346, 108.816

Rectangle

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



33, 132.758, 306.474



33, 132.758, 356.474



33, 132.758, 126.474



33, 132.758, 176.474

Sweetspot

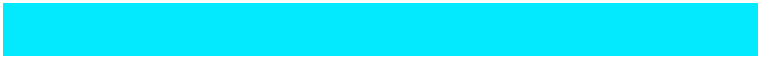
The Sweet Spot groups the original color and five complimentary colors.



33, 132.710, 306.476



76, 41.400, 297.074



85, 45.173, 211.036



37, 28.494, 297.635



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, 132.710, 306.476



33, 133.291, 306.528



44, 122.319, 313.831



49, 7.526, 294.802



23, 107.250, 306.591



4, 44.352, 303.650

Inverse Universe

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



59, 106.876, 332.520



59, 106.988, 332.579



89, 111.862, 130.705



50, 8.478, 327.692



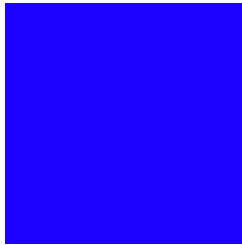
44, 86.286, 332.496



12, 40.059, 331.935

Previews

White Background



This preview shows how the CIE LCh color 33, 132.758, 306.474 looks on a white background.

Color Contrast Check

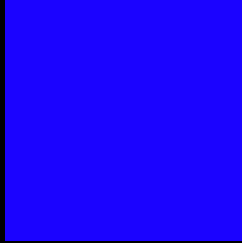
Large Text (above 18pt) WCAG AA ✓ Pass

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, 132.758, 306.474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

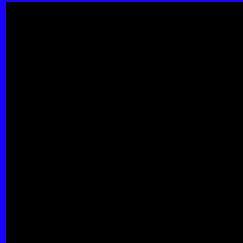
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 132.758, 306.474

Background



This preview shows how black text looks on a background with the CIELCh color 33, 132.758, 306.474.



This preview shows how white text looks on a background with the CIELCh color 33, 132.758,

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, 132.758, 306.474

Protanopia

33, 52.458, 285.891

Deuteranopia

33, 35.987, 271.297

Trichromacy



Original Color
33, 132.758, 306.474

Protanomaly
30, 89.147, 300.762

Deuteranomaly
29, 79.190, 298.939

Monochromacy



Original Color
33, 132.758, 306.474

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 61.262, 304.051

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 132.758, 306.474 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(27, 3, 255)` looks like.

```
.text, #text, p{  
    color:rgb(27, 3, 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(27, 3, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 3, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 132.758, 306.474 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(27, 3, 255) }
```

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

```
.border{ border-color:rgb(27, 3, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 3, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 3, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 3, 255);  
box-shadow:4px 4px 4px 4px rgb(27, 3, 255)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 132.758, 306.474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 3, 255) }
```

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

```
.background{ background-color: rgb(27, 3,  
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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