

Converting Colors

CIELCh(33, 131.782, 306.506)

Have a look what the booklet for
CIELCh(33, 131.782, 306.506)
contains.

CIELCh(33, 131.868, 306.505)	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, 131.868, 306.505)

Conversions

Conversions Part 1

Format	Color
Hex	1F05FE
RGB	31, 5, 254
RGB Percent	12%, 2%, 100%
CMY	0.8770, 0.9822, 0.0048
CMYK	0.88, 0.98, 0.00, 0.00
HSL	246°, 99%, 51%
HSV	246°, 98%, 100%
XYZ	18.4786, 7.5373, 94.0613
YIQ	41.1600, -64.4330, 82.9510

Conversions

Conversions Part 2

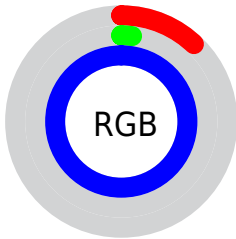
Format	Color
R_{YB}	31, 5, 254
Decimal	2033150
CIE Lab	33.00, 78.45, -106.00
CIE LCh	33, 131.868, 306.505
Yxy	7.5373, 0.1539, 0.0628
Android (android.graphics.Color)	4280223230 (0xFF1F05FE)
YUV	41.1600, 104.9301, -8.9103
Hunter-Lab	27.4541, 72.0985, -183.9173

Details

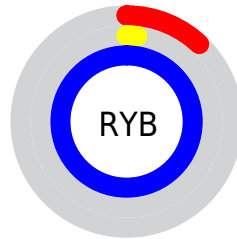
The CIELCh color **33, 131.868, 306.505** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **95, 97.039, 109.461**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 103.160, 307.374**, and **23, 109.353, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **33, 132.710, 306.574**, and if you desaturate by 10%, it is **36, 125.450, 306.015**.

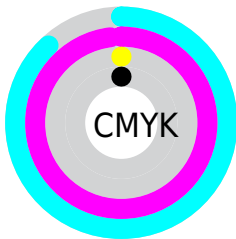
Distribution



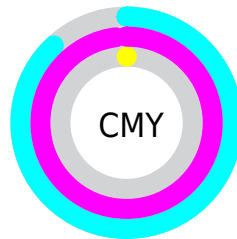
- Red (12%)
- Green (2%)
- Blue (100%)



- Red (12%)
- Yellow (2%)
- Blue (100%)



- Cyan (88%)
- Magenta (98%)
- Yellow (0%)
- Black (0%)





- Cyan (88%)
- Magenta (98%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 131.868, 306.505 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, 131.868, 306.505 by changing the saturation by 10% instead.


 33, 131.868,
306.505


 33, 131.868,
306.505


 100, 131.868,
306.505


 23, 131.868,
306.505


 53, 131.868,
306.505


 13, 131.868,
306.505


 63, 131.868,
306.505

 3, 131.868,
306.505

 73, 131.868,
306.505

 0, 131.868,
306.505

 83, 131.868,
306.505

 93, 131.868,
306.505

■ 33, 131.868,
306.505

■ 33, 131.868,
306.505

■ 33, 132.710,
306.574

■ 36, 125.450,
306.015

■ 40, 114.216,
304.885

■ 47, 99.939,
303.342

■ 54, 84.427,
301.661

■ 61, 68.757,
300.027

■ 69, 53.435,
298.535

■ 77, 38.647,
297.219

■ 85, 24.439,

296.079

■ 93, 10.801,
295.102

Harmonies

Complementary

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



33, 131.868, 306.505



95, 97.039, 109.461

Rectangle

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



33, 131.868, 306.505



33, 131.868, 356.505



33, 131.868, 126.505



33, 131.868, 176.505

Sweetspot

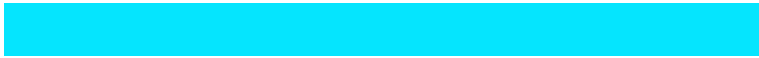
The Sweet Spot groups the original color and five complimentary colors.



33, 131.871, 306.506



77, 39.953, 297.317



84, 44.374, 214.262



37, 27.657, 297.863



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, 131.871, 306.506



33, 133.196, 306.573



44, 121.252, 314.327



49, 7.530, 295.220



23, 107.165, 306.641



4, 44.375, 303.857

Inverse Universe

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



59, 105.513, 333.047



59, 106.042, 333.144



89, 111.796, 131.079



50, 8.413, 328.035



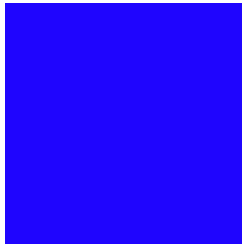
44, 85.536, 333.050



12, 39.752, 332.409

Previews

White Background



This preview shows how the CIE LCh color 33, 131.868, 306.505 looks on a white background.

Color Contrast Check

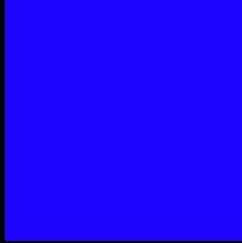
Large Text (above 18pt) WCAG AA ✓ Pass

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, 131.868, 306.505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

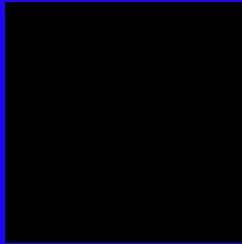
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 131.868, 306.505

Background



This preview shows how black text looks on a background with the CIELCh color 33, 131.868, 306.505.



This preview shows how white text looks on a background with the CIELCh color 33, 131.868,

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, 131.907, 306.485

Protanopia

33, 52.458, 285.891

Deuteranopia

33, 35.987, 271.297



Tritanopia
33, 22.451, 201.387

Trichromacy



Original Color
33, 131.907, 306.485

Protanomaly
30, 89.135, 300.784

Deuteranomaly
29, 78.536, 298.699

Tritanomaly
27, 59.780, 293.690

Monochromacy



Original Color
33, 131.907, 306.485

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 59.938, 303.827

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 131.868, 306.505 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(31, 5, 254)` looks like.

```
.text, #text, p{  
    color:rgb(31, 5, 254)  
}
```

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(31, 5, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 5, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 131.868, 306.505 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(31, 5, 254) }
```

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

```
.border{ border-color:rgb(31, 5, 254) }
```

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

Here you see how a box with a 4 pixel rgb(31, 5, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 5, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 5, 254);  
box-shadow:4px 4px 4px 4px rgb(31, 5, 254)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 131.868, 306.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 5, 254) }
```

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

```
.background{ background-color: rgb(31, 5,  
254) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor