

Converting Colors

CIELCh(33, 130.998, 305.701)

Have a look what the booklet for
CIELCh(33, 130.998, 305.701)
contains.

CIELCh(33, 130.820, 305.746)	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, 130.820, 305.746)

Conversions

Conversions Part 1

Format	Color
Hex	0110FE
RGB	1, 16, 254
RGB Percent	0%, 6%, 100%
CMY	0.9977, 0.9369, 0.0036
CMYK	1.00, 0.94, 0.00, 0.00
HSL	236°, 100%, 50%
HSV	236°, 100%, 100%
XYZ	18.0940, 7.5373, 94.3271
YIQ	38.6470, -85.3380, 70.8380

Conversions

Conversions Part 2

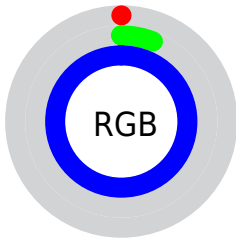
Format	Color
R_{YB}	1, 15, 254
Decimal	69886
CIE _{Lab}	33.00, 76.42, -106.18
CIE _{LCh}	33, 130.820, 305.746
Yxy	7.5373, 0.1508, 0.0628
Android (android.graphics.Color)	4278259966 (0xFF0110FE)
YUV	38.6470, 106.1690, -33.0164
Hunter-Lab	27.4541, 69.5985, -184.4914

Details

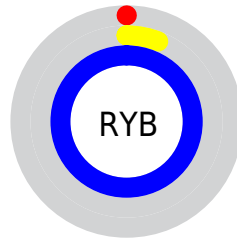
The CIELCh color **33, 130.820, 305.746** is a dark color, and the websafe version is hex **0000FF**. The color can be described as dark saturated blue. A complement of this color would be **93, 92.341, 98.741**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 101.823, 306.283**, and **23, 109.353, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **33, 130.943, 305.766**, and if you desaturate by 10%, it is **36, 123.093, 304.432**.

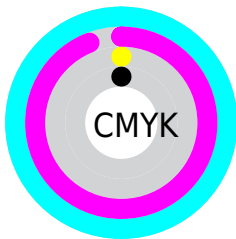
Distribution



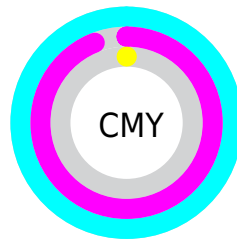
- Red (0%)
- Green (6%)
- Blue (100%)



- Red (0%)
- Yellow (6%)
- 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, 130.820, 305.746 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, 130.820, 305.746 by changing the saturation by 10% instead.


 33, 130.820,
305.746


 33, 130.820,
305.746


 100, 130.820,
305.746


 23, 130.820,
305.746


 53, 130.820,
305.746


 13, 130.820,
305.746


 63, 130.820,
305.746

 3, 130.820,
305.746

 73, 130.820,
305.746

 0, 130.820,
305.746

 83, 130.820,
305.746

 93, 130.820,
305.746

■ 33, 130.820,
305.746

■ 33, 130.820,
305.746

■ 33, 130.943,
305.766

■ 36, 123.093,
304.432

■ 40, 111.053,
302.406

■ 47, 96.663,
300.011

■ 53, 81.555,
297.564

■ 61, 66.596,
295.272

■ 69, 52.122,
293.232

■ 76, 38.220,
291.467

■ 84, 24.881,

289.961

■ 92, 12.065,
288.685

Harmonies

Complementary

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



33, 130.820, 305.746



93, 92.341, 98.741

Rectangle

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



33, 130.820, 305.746



33, 130.820, 355.746



33, 130.820, 125.746



33, 130.820, 175.746

Sweetspot

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



33, 130.823, 305.747



76, 38.648, 291.505



90, 53.017, 186.527



37, 26.597, 292.219



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, 130.823, 305.747



33, 131.314, 305.768



39, 126.403, 310.288



49, 7.039, 288.654



24, 105.054, 305.580



4, 42.186, 300.707

Inverse Universe

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



53, 101.774, 38.218



53, 102.188, 38.280



90, 106.657, 125.960



50, 5.263, 14.999



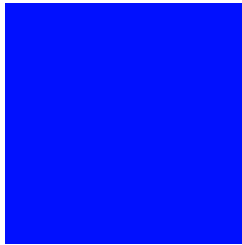
40, 81.691, 37.693



10, 32.880, 24.715

Previews

White Background



This preview shows how the CIELCh color 33, 130.820, 305.746 looks on a white background.

Color Contrast Check

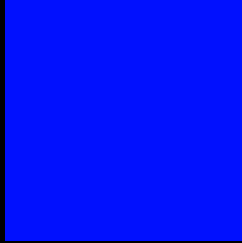
Large Text (above 18pt) WCAG AA ✓ Pass

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, 130.820, 305.746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

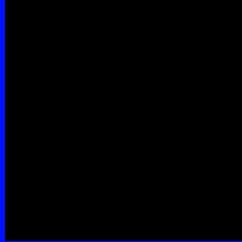
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 130.820, 305.746

Background



This preview shows how black text looks on a background with the CIELCh color 33, 130.820, 305.746.



This preview shows how white text looks on a background with the CIELCh color 33, 130.820,

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, 130.804, 305.754

Protanopia

33, 51.879, 285.589

Deuteranopia

33, 35.461, 270.633



Tritanopia
33, 22.157, 203.162

Trichromacy



Original Color
33, 130.804, 305.754

Protanomaly
31, 85.658, 299.338

Deuteranomaly
30, 75.464, 297.106

Tritanomaly
28, 57.123, 291.248

Monochromacy



Original Color
33, 130.804, 305.754

Achromatopsia
16, 0.003, 296.813

Achromatomaly
18, 57.863, 300.937

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 130.820, 305.746 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(1, 16, 254)` looks like.

```
.text, #text, p{  
    color:rgb(1, 16, 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(1, 16, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 16, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 130.820, 305.746 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(1, 16, 254) }
```

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

```
.border{ border-color:rgb(1, 16, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 16, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 16, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 16, 254);  
box-shadow:4px 4px 4px 4px rgb(1, 16, 254)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 130.820, 305.746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 16, 254) }
```

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

```
.background{ background-color: rgb(1, 16,  
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