

Converting Colors

CIELCh(33, 131.792, 305.869)

Have a look what the booklet for
CIELCh(33, 131.792, 305.869)
contains.

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Color

CIELCh(33, 131.783, 305.878)

Conversions

Conversions Part 1

Format	Color
Hex	020DFF
RGB	2, 13, 255
RGB Percent	1%, 5%, 100%
CMY	0.9915, 0.9481, 0.0000
CMYK	0.99, 0.95, 0.00, 0.00
HSL	237°, 100%, 50%
HSV	237°, 99%, 100%
XYZ	18.2471, 7.5373, 95.2263
YIQ	37.2990, -84.2380, 72.9300

Conversions

Conversions Part 2

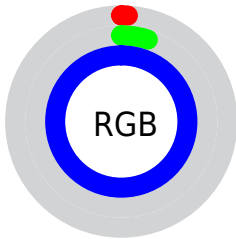
Format	Color
R _Y B	2, 13, 255
Decimal	134655
CIE Lab	33.00, 77.23, -106.78
CIE LCh	33, 131.783, 305.878
Yxy	7.5373, 0.1508, 0.0623
Android (android.graphics.Color)	4278324735 (0xFF020DFF)
YUV	37.2990, 107.3266, -30.9572
Hunter-Lab	27.4541, 70.5937, -186.4334

Details

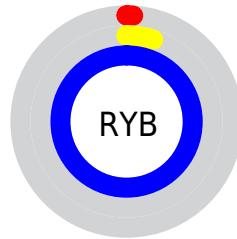
The CIELCh color **33, 131.783, 305.878** is a dark color, and the websafe version is hex **0000FF**. The color can be described as dark saturated blue. A complement of this color would be **94, 93.660, 99.983**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 102.353, 306.411**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **33, 132.108, 305.934**, and if you desaturate by 10%, it is **36, 124.376, 304.686**.

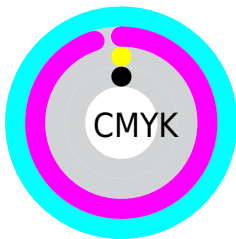
Distribution



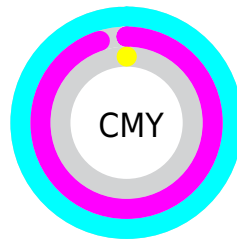
- Red (1%)
- Green (5%)
- Blue (100%)



- Red (1%)
- Yellow (5%)
- Blue (100%)



- Cyan (99%)
- Magenta (95%)
- Yellow (0%)
- Black (0%)





- Cyan (99%)
- Magenta (95%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 131.783, 305.878 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, 131.783, 305.878 by changing the saturation by 10% instead.


 33, 131.783,
305.878


 33, 131.783,
305.878


 100, 131.783,
305.878


 23, 131.783,
305.878


 53, 131.783,
305.878


 13, 131.783,
305.878


 63, 131.783,
305.878

 3, 131.783,
305.878

 73, 131.783,
305.878

 0, 131.783,
305.878

 83, 131.783,
305.878

 93, 131.783,
305.878

■ 33, 131.783,
305.878

■ 33, 131.783,
305.878

■ 33, 132.108,
305.934

■ 36, 124.376,
304.686

■ 40, 112.410,
302.766

■ 46, 97.860,
300.448

■ 53, 82.477,
298.060

■ 61, 67.206,
295.816

■ 69, 52.421,
293.816

■ 77, 38.223,
292.086

■ 85, 24.608,

290.610

■ 93, 11.536,
289.361

Harmonies

Complementary

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



33, 131.783, 305.878



94, 93.660, 99.983

Rectangle

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



33, 131.783, 305.878



33, 131.783, 355.878



33, 131.783, 125.878



33, 131.783, 175.878

Sweetspot

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



33, 131.725, 305.879



76, 39.400, 292.222



91, 52.232, 188.923



37, 27.118, 292.928



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, 131.725, 305.879



33, 132.108, 305.934



40, 126.032, 310.652



49, 7.169, 289.402



24, 105.825, 305.783



4, 42.738, 301.021

Inverse Universe

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



53, 102.488, 38.642



53, 102.907, 38.815



90, 107.356, 126.518



49, 5.256, 16.400



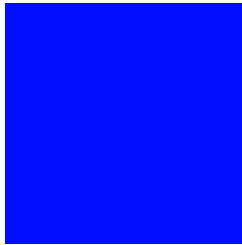
40, 82.359, 38.329



10, 33.012, 25.421

Previews

White Background



This preview shows how the CIELCh color 33, 131.783, 305.878 looks on a white background.

Color Contrast Check

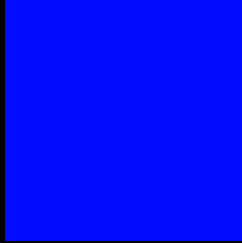
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 33, 131.783, 305.878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

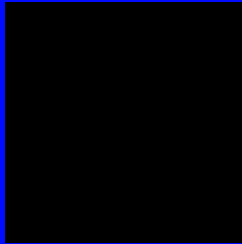
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 131.783, 305.878

Background



This preview shows how black text looks on a background with the CIELCh color 33, 131.783, 305.878.



This preview shows how white text looks on a background with the CIELCh color 33, 131.783, 305.878.

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, 131.768, 305.886

Protanopia

33, 51.879, 285.589

Deuteranopia

33, 35.461, 270.633



Tritanopia
33, 22.157, 203.162

Trichromacy



Original Color
33, 131.768, 305.886

Protanomaly
30, 86.808, 299.673

Deuteranomaly
29, 76.115, 297.439

Tritanomaly
28, 57.801, 291.784

Monochromacy



Original Color
33, 131.768, 305.886

Achromatopsia
15, 0.003, 296.813

Achromatomaly
17, 59.297, 301.758

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 131.783, 305.878 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(2, 13, 255)` looks like.

```
.text, #text, p{  
    color:rgb(2, 13, 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(2, 13, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 13, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 131.783, 305.878 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(2, 13, 255) }
```

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

```
.border{ border-color:rgb(2, 13, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 13, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 13, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 13, 255);  
box-shadow:4px 4px 4px 4px rgb(2, 13, 255)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 131.783, 305.878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 13, 255) }
```

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

```
.background{ background-color: rgb(2, 13,  
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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