

Converting Colors

CIELCh(33, 128.782, 307.130)

Have a look what the booklet for
CIELCh(33, 128.782, 307.130)
contains.

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Color

CIELCh(33, 128.890, 307.123)

Conversions

Conversions Part 1

Format	Color
Hex	3302F8
RGB	51, 2, 248
RGB Percent	20%, 1%, 97%
CMY	0.7993, 0.9916, 0.0271
CMYK	0.79, 0.99, 0.00, 0.03
HSL	252°, 98%, 49%
HSV	252°, 99%, 97%
XYZ	18.3528, 7.5373, 89.3615
YIQ	44.6950, -49.7620, 86.8940

Conversions

Conversions Part 2

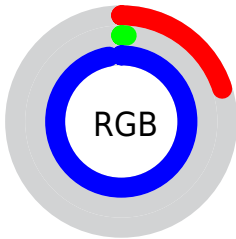
Format	Color
R _Y B	51, 2, 248
Decimal	3343096
CIE Lab	33.00, 77.79, -102.77
CIE LCh	33, 128.890, 307.123
Yxy	7.5373, 0.1592, 0.0654
Android (android.graphics.Color)	4281533176 (0xFF3302F8)
YUV	44.6950, 100.2294, 5.5295
Hunter-Lab	27.4541, 71.2809, -173.7677

Details

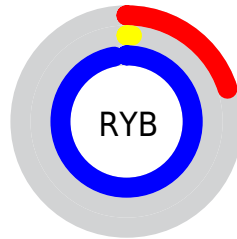
The CIELCh color **33, 128.890, 307.123** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **91, 97.281, 114.805**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 103.386, 308.356**, and **23, 107.256, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **33, 129.323, 307.134**, and if you desaturate by 10%, it is **36, 122.769, 306.986**.

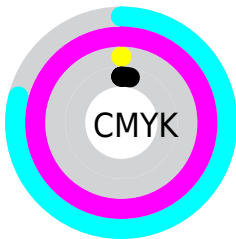
Distribution



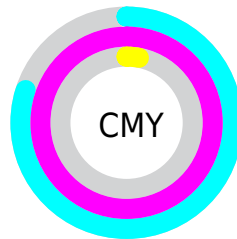
- Red (20%)
- Green (1%)
- Blue (97%)



- Red (20%)
- Yellow (1%)
- Blue (97%)



- Cyan (79%)
- Magenta (99%)
- Yellow (0%)
- Black (3%)





- Cyan (80%)
- Magenta (99%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 128.890, 307.123 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, 128.890, 307.123 by changing the saturation by 10% instead.


 33, 128.890,
307.123


 33, 128.890,
307.123


 100, 128.890,
307.123


 23, 128.890,
307.123


 53, 128.890,
307.123


 13, 128.890,
307.123


 63, 128.890,
307.123

 3, 128.890,
307.123

 73, 128.890,
307.123

 0, 128.890,
307.123

 83, 128.890,
307.123

 93, 128.890,
307.123

■ 33, 128.890,
307.123

■ 33, 128.890,
307.123

■ 33, 129.323,
307.134

■ 36, 122.769,
306.986

■ 40, 112.349,
306.298

■ 46, 98.938,
305.210

■ 53, 84.133,
303.950

■ 60, 68.975,
302.678

■ 68, 54.002,
301.482

■ 75, 39.455,
300.404

■ 83, 25.418,

299.453

■ 91, 11.909,
298.626

Harmonies

Complementary

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



33, 128.890, 307.123



91, 97.281, 114.805

Rectangle

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



33, 128.890, 307.123



33, 128.890, 357.123



33, 128.890, 127.123



33, 128.890, 177.123

Sweetspot

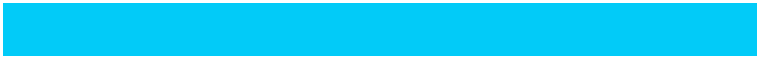
The Sweet Spot groups the original color and five complimentary colors.



33, 128.892, 307.124



76, 41.609, 300.497



76, 42.737, 232.347



37, 28.617, 300.941



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, 128.892, 307.124



34, 132.064, 307.125



46, 117.506, 316.723



48, 7.457, 298.654



24, 105.127, 307.243



4, 42.562, 304.934

Inverse Universe

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



56, 96.674, 338.245



58, 98.717, 338.360



86, 112.601, 133.008



49, 7.756, 331.074



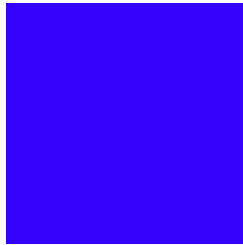
43, 78.934, 338.137



11, 36.393, 336.645

Previews

White Background



This preview shows how the CIELCh color 33, 128.890, 307.123 looks on a white background.

Color Contrast Check

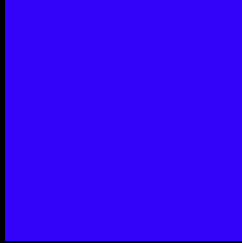
Large Text (above 18pt) WCAG AA ✓ Pass

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, 128.890, 307.123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

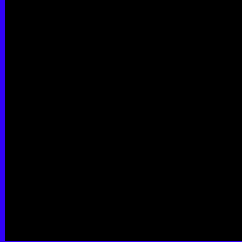
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 128.890, 307.123

Background



This preview shows how black text looks on a background with the CIELCh color 33, 128.890, 307.123.



This preview shows how white text looks on a background with the CIELCh color 33, 128.890, 307.123.

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, 128.890, 307.123

Protanopia

33, 51.813, 285.308

Deuteranopia

33, 35.468, 270.255



Tritanopia
33, 22.338, 203.093

Trichromacy



Original Color
33, 128.890, 307.123

Protanomaly
30, 87.964, 300.897

Deuteranomaly
29, 77.415, 299.016

Tritanomaly
27, 59.195, 294.323

Monochromacy



Original Color
33, 128.890, 307.123

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 59.434, 305.500

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 128.890, 307.123 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(51, 2, 248)` looks like.

```
.text, #text, p{  
  color:rgb(51, 2, 248)  
}
```

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(51, 2, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 2, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 128.890, 307.123 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(51, 2, 248) }
```

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

```
.border{ border-color:rgb(51, 2, 248) }
```

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

Here you see how a box with a 4 pixel rgb(51, 2, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 2, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 2, 248);  
box-shadow:4px 4px 4px 4px rgb(51, 2, 248)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 128.890, 307.123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 2, 248) }
```

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

```
.background{ background-color: rgb(51, 2,  
248) }
```

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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