

Converting Colors

CIELCh(33, 127.244, 307.553)

Have a look what the booklet for
CIELCh(33, 127.244, 307.553)
contains.

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Color

CIELCh(33, 127.335, 307.547)

Conversions

Conversions Part 1

Format	Color
Hex	3C00F5
RGB	60, 0, 245
RGB Percent	24%, 0%, 96%
CMY	0.7653, 1.0000, 0.0396
CMYK	0.76, 1.00, 0.00, 0.04
HSL	255°, 100%, 48%
HSV	255°, 100%, 96%
XYZ	18.3168, 7.5373, 86.7932
YIQ	45.8700, -42.8850, 88.9150

Conversions

Conversions Part 2

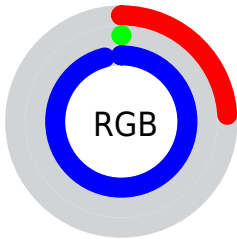
Format	Color
RYB	60, 0, 245
Decimal	3932405
CIELab	33.00, 77.60, -100.96
CIElCh	33, 127.335, 307.547
Yxy	7.5373, 0.1626, 0.0669
Android (android.graphics.Color)	4282122485 (0xFF3C00F5)
YUV	45.8700, 98.1711, 12.3920
Hunter-Lab	27.4541, 71.0466, -168.2212

Details

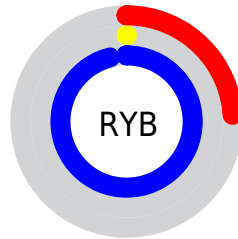
The CIELCh color **33, 127.335, 307.547** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **90, 97.665, 117.305**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **49, 103.226, 308.868**, and **22, 105.992, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **33, 127.304, 307.541**, and if you desaturate by 10%, it is **36, 121.483, 307.570**.

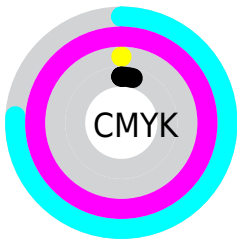
Distribution



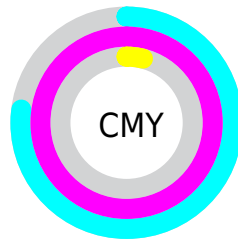
- Red (24%)
- Green (0%)
- Blue (96%)



- Red (24%)
- Yellow (0%)
- Blue (96%)



- Cyan (76%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)





- Cyan (77%)
- Magenta (100%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 127.335, 307.547 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, 127.335, 307.547 by changing the saturation by 10% instead.


 33, 127.335,
307.547


 33, 127.335,
307.547


 100, 127.335,
307.547


 23, 127.335,
307.547


 53, 127.335,
307.547


 13, 127.335,
307.547


 63, 127.335,
307.547

 3, 127.335,
307.547

 73, 127.335,
307.547

 0, 127.335,
307.547

 83, 127.335,
307.547

 93, 127.335,
307.547

■ 33, 127.335,
307.547

■ 33, 127.335,
307.547

■ 33, 127.304,
307.541

■ 36, 121.483,
307.570

■ 40, 111.677,
307.102

■ 46, 98.834,
306.228

■ 52, 84.462,
305.157

■ 59, 69.599,
304.043

■ 67, 54.818,
302.974

■ 74, 40.392,
301.996

■ 82, 26.434,

301.123

■ 89, 12.975,
300.357

Harmonies

Complementary

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



33, 127.335, 307.547



90, 97.665, 117.305

Rectangle

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



33, 127.335, 307.547



33, 127.335, 357.547



33, 127.335, 127.547



33, 127.335, 177.547

Sweetspot

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



33, 127.304, 307.541



77, 41.743, 302.002



71, 43.797, 243.621



38, 28.697, 302.403



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, 127.304, 307.541



35, 131.292, 307.525



47, 115.539, 318.284



47, 7.365, 300.320



24, 103.426, 307.672



4, 40.651, 305.267

Inverse Universe

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



55, 92.659, 341.270



57, 95.505, 341.306



85, 112.990, 133.926



48, 7.386, 332.717



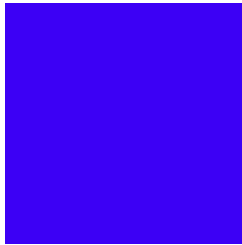
42, 75.641, 340.991



10, 34.422, 338.907

Previews

White Background



This preview shows how the CIELCh color 33, 127.335, 307.547 looks on a white background.

Color Contrast Check

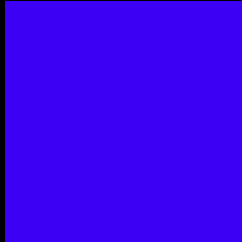
Large Text (above 18pt) WCAG AA ✓ Pass

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, 127.335, 307.547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

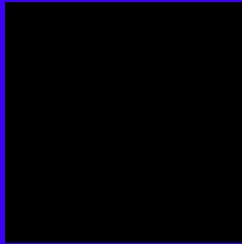
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 127.335, 307.547

Background



This preview shows how black text looks on a background with the CIELCh color 33, 127.335, 307.547.



This preview shows how white text looks on a background with the CIELCh color 33, 127.335, 307.547.

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, 127.335, 307.547

Protanopia

33, 52.390, 285.613

Deuteranopia

33, 35.991, 270.922



Tritanopia
33, 22.243, 204.815

Trichromacy



Original Color
33, 127.335, 307.547

Protanomaly
29, 87.976, 301.163

Deuteranomaly
29, 77.367, 299.167

Tritanomaly
27, 59.843, 295.011

Monochromacy



Original Color
33, 127.335, 307.547

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 58.670, 306.412

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 127.335, 307.547 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(60, 0, 245)` looks like.

```
.text, #text, p{  
    color:rgb(60, 0, 245)  
}
```

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(60, 0, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 0, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 127.335, 307.547 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(60, 0, 245) }
```

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

```
.border{ border-color:rgb(60, 0, 245) }
```

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

Here you see how a box with a 4 pixel rgb(60, 0, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 0, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 0, 245);  
box-shadow:4px 4px 4px 4px rgb(60, 0, 245)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 127.335, 307.547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 0, 245) }
```

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

```
.background{ background-color: rgb(60, 0,  
245) }
```

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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