

Converting Colors

CIELCh(33, 122.842, 308.373)

Have a look what the booklet for
CIELCh(33, 122.842, 308.373)
contains.

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Color

CIELCh(33, 122.830, 308.344)

Conversions

Conversions Part 1

Format	Color
Hex	4A00ED
RGB	74, 0, 237
RGB Percent	29%, 0%, 93%
CMY	0.7109, 1.0000, 0.0714
CMYK	0.69, 1.00, 0.00, 0.07
HSL	259°, 100%, 46%
HSV	259°, 100%, 93%
XYZ	18.0521, 7.5373, 80.4633
YIQ	49.1440, -31.9730, 89.3950

Conversions

Conversions Part 2

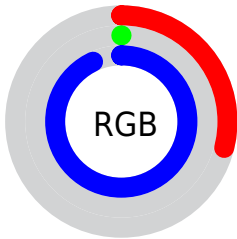
Format	Color
RYB	74, 0, 237
Decimal	4849901
CIELab	33.00, 76.20, -96.34
CIELCh	33, 122.830, 308.344
Yxy	7.5373, 0.1702, 0.0711
Android (android.graphics.Color)	4283039981 (0xFF4A00ED)
YUV	49.1440, 92.6130, 21.7987
Hunter-Lab	27.4541, 69.3255, -154.5510

Details

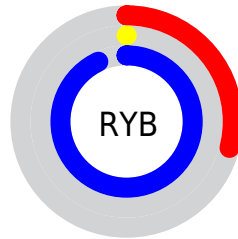
The CIELCh color **33, 122.830, 308.344** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **86, 97.123, 120.652**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 102.917, 309.931**, and **21, 102.604, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **33, 122.767, 308.332**, and if you desaturate by 10%, it is **36, 117.123, 308.550**.

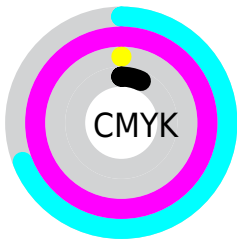
Distribution



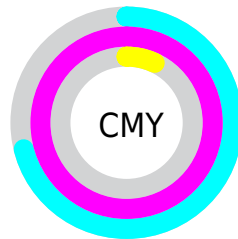
- Red (29%)
- Green (0%)
- Blue (93%)



- Red (29%)
- Yellow (0%)
- Blue (93%)



- Cyan (69%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)




- Cyan (71%)
- Magenta (100%)
- Yellow (7%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 122.830, 308.344 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, 122.830, 308.344 by changing the saturation by 10% instead.


 33, 122.830,
308.344


 33, 122.830,
308.344


 100, 122.830,
308.344


 23, 122.830,
308.344


 53, 122.830,
308.344


 13, 122.830,
308.344


 63, 122.830,
308.344

 3, 122.830,
308.344

 73, 122.830,
308.344

 0, 122.830,
308.344

 83, 122.830,
308.344

 93, 122.830,
308.344

■ 33, 122.830,
308.344

■ 33, 122.830,
308.344

■ 33, 122.767,
308.332

■ 36, 117.123,
308.550

■ 40, 107.879,
308.314

■ 45, 95.766,
307.692

■ 52, 82.103,
306.862

■ 58, 67.846,
305.960

■ 65, 53.559,
305.070

■ 72, 39.534,
304.237

■ 79, 25.907,

303.482

■ 87, 12.730,
302.810

Harmonies

Complementary

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



33, 122.830, 308.344



86, 97.123, 120.652

Rectangle

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



33, 122.830, 308.344



33, 122.830, 358.344



33, 122.830, 128.344



33, 122.830, 178.344

Sweetspot

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



33, 122.767, 308.332



77, 41.990, 304.247



64, 46.649, 256.993



38, 28.848, 304.591



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, 122.767, 308.332



36, 129.909, 308.296



48, 111.399, 320.594



45, 7.171, 302.775



24, 100.200, 308.489



3, 36.708, 305.512

Inverse Universe

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



53, 86.398, 346.097



56, 91.310, 346.193



82, 111.399, 134.797



46, 6.799, 335.369



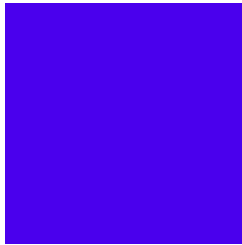
40, 70.895, 345.692



8, 31.272, 342.411

Previews

White Background



This preview shows how the CIELCh color 33, 122.830, 308.344 looks on a white background.

Color Contrast Check

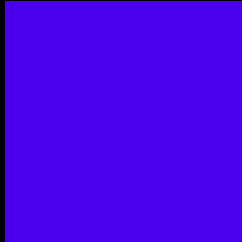
Large Text (above 18pt) WCAG AA ✓ Pass

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, 122.830, 308.344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

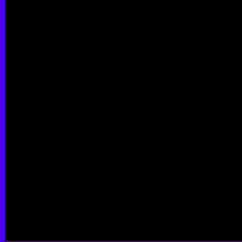
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 122.830, 308.344

Background



This preview shows how black text looks on a background with the CIELCh color 33, 122.830, 308.344.



This preview shows how white text looks on a background with the CIELCh color 33, 122.830, 308.344.

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, 122.830, 308.344

Protanopia

33, 52.968, 285.911

Deuteranopia

33, 36.517, 271.571



Tritanopia
33, 22.423, 204.730

Trichromacy



Original Color
33, 122.830, 308.344

Protanomaly
29, 86.810, 301.273

Deuteranomaly
29, 76.162, 299.296

Tritanomaly
27, 57.287, 294.617

Monochromacy



Original Color
33, 122.830, 308.344

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 56.585, 307.717

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 122.830, 308.344 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(74, 0, 237)` looks like.

```
.text, #text, p{  
    color:rgb(74, 0, 237)  
}
```

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(74, 0, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 0, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 122.830, 308.344 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(74, 0, 237) }
```

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

```
.border{ border-color:rgb(74, 0, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 0, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(74, 0, 237)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 122.830, 308.344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 0, 237) }
```

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

```
.background{ background-color: rgb(74, 0,  
237) }
```

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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