

Converting Colors

XYZ(33.5562, 15.3532, 89.4744)

Have a look what the booklet for
XYZ(33.5562, 15.3532, 89.4744)
contains.

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Color

**XYZ(33.5831, 15.3733,
89.1930)**

Conversions

Conversions Part 1

Format	Color
Hex	AB00F7
RGB	171, 0, 247
RGB Percent	67%, 0%, 97%
CMY	0.3294, 1.0000, 0.0314
CMYK	0.31, 1.00, 0.00, 0.03
HSL	282°, 100%, 48%
HSV	282°, 100%, 97%
XYZ	33.5831, 15.3733, 89.1930
YIQ	79.2870, 22.6290, 113.0690

Conversions

Conversions Part 2

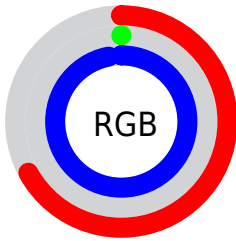
Format	Color
RYB	171, 0, 247
Decimal	11206903
CIELab	46.14, 85.63, -79.99
CIELCh	46, 117.181, 316.949
Yxy	15.3733, 0.2431, 0.1113
Android (android.graphics.Color)	4289396983 (0xFFAB00F7)
YUV	79.2870, 82.6825, 80.4323
Hunter-Lab	39.2088, 84.2733, -107.4280

Details

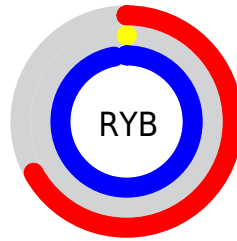
The XYZ color **33.5831, 15.3733, 89.1930** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **36.2413, 68.0583, 11.2265**, and the grayscale version is **7.3310, 7.7128, 8.3992**.

A 20% lighter version of the original color is **54.9849, 31.6881, 97.8261**, and **15.6157, 6.9891, 48.6701** is the 20% darker color. If you saturate the color by 10%, you get **33.5838, 15.3737, 89.1934**, and if you desaturate by 10%, it is **35.6287, 16.9346, 89.3869**.

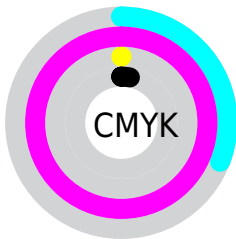
Distribution



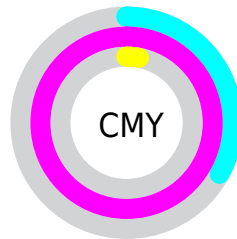
- Red (67%)
- Green (0%)
- Blue (97%)



- Red (67%)
- Yellow (0%)
- Blue (97%)



- Cyan (31%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)





- Cyan (33%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5831, 15.3733, 89.1930 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 XYZ color 33.5831, 15.3733, 89.1930 by changing the saturation by 10% instead.


 33.5831, 15.3733,
89.1930


 33.5831, 15.3733,
89.1930

309.8878,
225.6147, 545.9044


 22.7349, 9.0818,
66.7416


 64.6334, 35.5067,
148.1426


 14.5175, 4.7946,
48.4144


 85.5663, 50.1175,
185.4779

 8.5656, 2.1272,
33.7928


 110.5913, 68.2700,
228.6116

 4.5137, 0.6799,
22.4584

 140.0740, 90.3489,
277.9622

 1.9967, 0.0000,
13.9926

 174.3796,
116.7384, 333.9482

 0.6321, 0.0000,
7.9768

 213.8736,

 0.0000, 0.0000,

147.8229, 396.9882

3.9926

258.9212,
183.9869, 467.5008

■ 0.0000, 0.0000,
1.6213

■ 0.0000, 0.0000,
0.3059

■ 33.5831, 15.3733,
89.1930

■ 33.5831, 15.3733,
89.1930

■ 33.5838, 15.3737,
89.1934

■ 35.6287, 16.9346,
89.3869

■ 38.2029, 19.4105,
89.7291

■ 41.4418, 23.0700,
90.2647

■ 45.4275, 28.0752,
91.0208

■ 50.2292, 34.5621,
92.0198

■ 55.9075, 42.6498,
93.2816

■ 62.5166, 52.4449,
94.8239

■ 70.1064, 64.0449,
96.6629

■ 78.7227, 77.5398,
98.8135

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



20.9456, 15.3733, 143.4102



33.5831, 15.3733, 89.1930



42.3871, 15.3733, 32.4576

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.5831, 15.3733, 89.1930



19.3846, 15.3733, 0.0000



2.8733, 15.3733, 38.3969

Complementary

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



33.5831, 15.3733, 89.1930



36.2413, 68.0583, 11.2265

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



2.7607, 15.3733, 7.1471



33.5831, 15.3733, 89.1930



9.7040, 15.3733, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.5831, 15.3733, 89.1930



32.0025, 15.3733, 0.0000



4.6007, 15.3733, 0.0000



5.0409, 15.3733, 97.4951

Rectangle

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



33.5831, 15.3733, 89.1930



43.1123, 15.3733, 10.9348



4.6007, 15.3733, 0.0000



2.6456, 15.3733, 24.3013

Sweetspot

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



33.5840, 15.3738, 89.1934



67.1745, 56.3261, 101.9393



19.5285, 12.1953, 89.3207



13.7094, 11.0556, 21.6613



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.5840, 15.3738, 89.1934



36.0771, 16.5133, 95.8937



48.9852, 24.0252, 57.7574



16.6885, 16.4976, 20.8473



17.9132, 8.2089, 47.1784



1.6791, 0.7755, 4.1514

Inverse Universe

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



39.6624, 20.2961, 8.6645



42.6317, 21.8167, 9.2584



33.7401, 66.7135, 13.6103



16.7091, 16.5665, 18.2145



21.0316, 10.7561, 4.8746



1.8925, 0.9630, 0.6603

Previews

White Background



This preview shows how the XYZ color 33.5831, 15.3733, 89.1930 looks on a white background.

Color Contrast Check

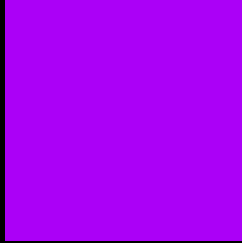
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.5831, 15.3733, 89.1930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

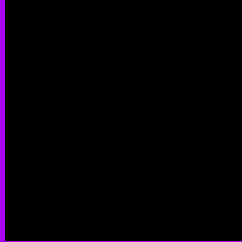
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.5831, 15.3733, 89.1930

Background



This preview shows how black text looks on a background with the XYZ color 33.5831, 15.3733, 89.1930.



This preview shows how white text looks on a background with the XYZ color 33.5831, 15.3733,

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

33.5831, 15.3733, 89.1930

Protanopia

18.8483, 15.9516, 73.3197

Deuteranopia

15.8676, 15.9748, 53.8769



Tritanopia

18.6274, 15.6599, 15.1376

Trichromacy



Original Color

33.5831, 15.3733, 89.1930



Protanomaly

18.7617, 11.0416, 78.2332



Deuteranomaly

16.5067, 10.6443, 64.8029



Tritanomaly

21.2409, 12.8141, 32.8063

Monochromacy



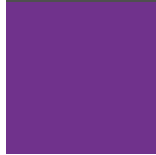
Original Color

33.5831, 15.3733, 89.1930



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.5563, 7.6194, 25.6198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5831, 15.3733, 89.1930 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(171, 0, 247)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 247)  
}
```

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(171, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 247) }
```

Border

The CSS property to change the border of an element to XYZ 33.5831, 15.3733, 89.1930 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(171, 0, 247) }
```


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

```
.border{ border-color:rgb(171, 0, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 0, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(171, 0,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5831, 15.3733, 89.1930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 247) }
```

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

```
.background{ background-color: rgb(171, 0,  
247) }
```

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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