

Converting Colors

XYZ(33.6134, 15.2904, 93.6495)

Have a look what the booklet for
XYZ(33.6134, 15.2904, 93.6495)
contains.

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Color

**XYZ(33.5070, 15.2438,
93.2718)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | A700FC |
| RGB | 167, 0, 252 |
| RGB Percent | 65%, 0%, 99% |
| CMY | 0.3451, 1.0000, 0.0118 |
| CMYK | 0.34, 1.00, 0.00, 0.01 |
| HSL | 280°, 100%, 49% |
| HSV | 280°, 100%, 99% |
| XYZ | 33.5070, 15.2438, 93.2718 |
| YIQ | 78.6610, 18.6400, 113.7760 |

Conversions

Conversions Part 2

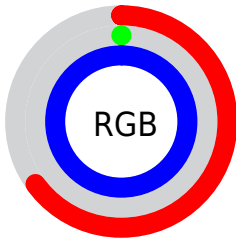
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 167, 0, 252 |
| Decimal | 10944764 |
| CIELab | 45.97, 86.12, -83.11 |
| CIELCh | 46, 119.677, 316.019 |
| Yxy | 15.2438, 0.2359, 0.1073 |
| Android (android.graphics.Color) | 4289134844 (0xFFA700FC) |
| YUV | 78.6610, 85.4561, 77.4733 |
| Hunter-Lab | 39.0433, 84.8631, -114.3094 |

Details

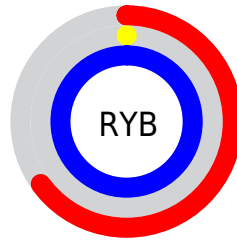
The XYZ color **33.5070, 15.2438, 93.2718** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **38.5571, 71.5525, 11.7790**, and the grayscale version is **7.2083, 7.5837, 8.2586**.

A 20% lighter version of the original color is **53.9355, 31.0228, 97.7530**, and **15.5633, 6.8983, 51.5502** is the 20% darker color. If you saturate the color by 10%, you get **33.5074, 15.2440, 93.2721**, and if you desaturate by 10%, it is **35.7152, 16.9047, 93.4763**.

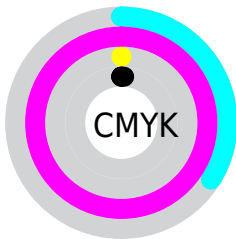
Distribution



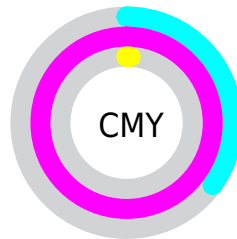
- Red (65%)
- Green (0%)
- Blue (99%)



- Red (65%)
- Yellow (0%)
- Blue (99%)



- Cyan (34%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)





- Cyan (35%)
- Magenta (100%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5070, 15.2438, 93.2718 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 33.5070, 15.2438, 93.2718 by changing the saturation by 10% instead.

 33.5070, 15.2438,
93.2718

 33.5070, 15.2438,
93.2718


309.5529,
224.8372, 559.4598


 22.6762, 8.9907,
70.1085


 64.5157, 35.2803,
153.8498

 14.4740, 4.7351,
51.1377


 85.4243, 49.8325,
192.1016


 8.5350, 2.0927,
35.9407


 110.4228, 67.9198,
236.2200

 4.4938, 0.6605,
24.0991

 139.8768, 89.9266,
286.6236

 1.9851, 0.0000,
15.1942

 174.1514,
116.2374, 343.7308

 0.6256, 0.0000,
8.8077

 213.6120,

 0.0000, 0.0000,

147.2365, 407.9602

4.5209

258.6241,
183.3083, 479.7303

■ 0.0000, 0.0000,
1.9152

■ 0.0000, 0.0000,
0.5024

■ 33.5070, 15.2438,
93.2718

■ 33.5070, 15.2438,
93.2718

■ 33.5074, 15.2440,
93.2721

■ 35.7152, 16.9047,
93.4763

■ 38.4967, 19.5351,
93.8375

■ 41.9939, 23.4153,
94.4021

■ 46.2938, 28.7159,
95.1986

■ 51.4693, 35.5803,
96.2508

■ 57.5848, 44.1337,
97.5794

■ 64.6977, 54.4885,
99.2032

■ 72.8607, 66.7472,
101.1391

■ 82.1226, 81.0045,
103.4029

Harmonies

Analogous

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



20.5552, 15.2438, 148.6471



33.5070, 15.2438, 93.2718



42.7957, 15.2438, 34.0497

Triad

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



33.5070, 15.2438, 93.2718



19.7219, 15.2438, 0.0000



2.6738, 15.2438, 37.2382

Complementary

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



33.5070, 15.2438, 93.2718



38.5571, 71.5525, 11.7790

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.



2.6161, 15.2438, 6.4401



33.5070, 15.2438, 93.2718



9.7514, 15.2438, 0.0000

Square

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



33.5070, 15.2438, 93.2718



32.6577, 15.2438, 0.0000



4.5074, 15.2438, 0.0000



4.7360, 15.2438, 97.7765

Rectangle

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



33.5070, 15.2438, 93.2718



43.7697, 15.2438, 11.4093



4.5074, 15.2438, 0.0000



2.4689, 15.2438, 23.1605

Sweetspot

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



33.5079, 15.2443, 93.2722



66.4460, 55.9505, 101.9052



21.0773, 14.0413, 93.6952



13.5351, 10.9657, 21.6532



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.



33.5079, 15.2443, 93.2722



34.4099, 15.6538, 95.8156



52.3084, 25.5610, 65.9299



17.3911, 17.2143, 21.7914



17.6178, 8.0250, 48.5940



1.7446, 0.8015, 4.5059

Inverse Universe

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



41.7849, 21.3516, 10.5138



42.9201, 21.9321, 10.7775



35.1573, 69.7598, 13.4293



17.4861, 17.3218, 19.1497



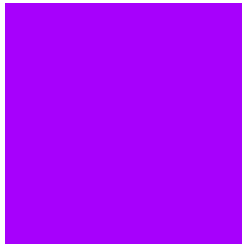
21.8273, 11.1467, 5.7992



2.0689, 1.0513, 0.7861

Previews

White Background



This preview shows how the XYZ color 33.5070, 15.2438, 93.2718 looks on a white background.

Color Contrast Check

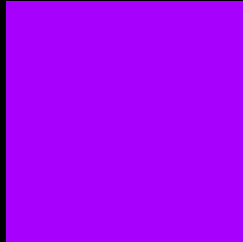
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5070, 15.2438, 93.2718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

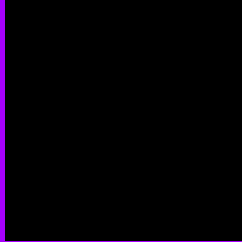
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.5070, 15.2438, 93.2718

Background



This preview shows how black text looks on a background with the XYZ color 33.5070, 15.2438, 93.2718.



This preview shows how white text looks on a background with the XYZ color 33.5070, 15.2438,

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

33.5070, 15.2438, 93.2718

Protanopia

18.6086, 15.6899, 72.5687

Deuteranopia

15.5308, 15.6605, 52.6563



Tritanopia

17.7844, 15.3514, 15.6614

Trichromacy



Original Color

33.5070, 15.2438, 93.2718



Protanomaly

18.7829, 10.9469, 78.9649



Deuteranomaly

16.3794, 10.4819, 64.7782



Tritanomaly

20.5583, 12.4325, 34.1171

Monochromacy



Original Color

33.5070, 15.2438, 93.2718



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.5786, 7.6137, 26.3978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5070, 15.2438, 93.2718 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(167, 0, 252)` looks like.

```
.text, #text, p{  
    color:rgb(167, 0, 252)  
}
```

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(167, 0, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 0, 252) }
```

Border

The CSS property to change the border of an element to XYZ 33.5070, 15.2438, 93.2718 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(167, 0, 252) }
```


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

```
.border{ border-color:rgb(167, 0, 252) }
```

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

Here you see how a box with a 4 pixel rgb(167, 0, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 0, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 0, 252);  
box-shadow:4px 4px 4px 4px rgb(167, 0,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5070, 15.2438, 93.2718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 0, 252) }
```

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

```
.background{ background-color: rgb(167, 0,  
252) }
```

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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