

Converting Colors

XYZ(33.2388, 16.8075, 96.1000)

Have a look what the booklet for
XYZ(33.2388, 16.8075, 96.1000)
contains.

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Color

**XYZ(33.3344, 16.8568,
96.1045)**

Conversions

Conversions Part 1

Format	Color
Hex	9E33FF
RGB	158, 51, 255
RGB Percent	62%, 20%, 100%
CMY	0.3804, 0.8000, 0.0000
CMYK	0.38, 0.80, 0.00, 0.00
HSL	271°, 100%, 60%
HSV	271°, 80%, 100%
XYZ	33.3344, 16.8568, 96.1045
YIQ	106.2490, -1.7120, 86.1280

Conversions

Conversions Part 2

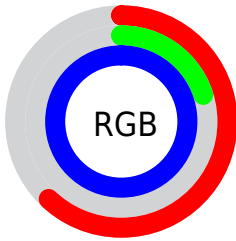
Format	Color
R _Y B	158, 51, 255
Decimal	10367999
CIE Lab	48.08, 76.40, -81.37
CIE LCh	48, 111.615, 313.197
Yxy	16.8568, 0.2279, 0.1152
Android (android.graphics.Color)	4288558079 (0xFF9E33FF)
YUV	106.2490, 73.3342, 45.3856
Hunter-Lab	41.0570, 73.0752, -110.0435

Details

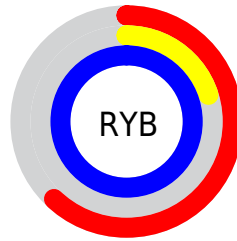
The XYZ color **33.3344, 16.8568, 96.1045** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **48.5698, 78.0546, 15.6383**, and the grayscale version is **13.5743, 14.2812, 15.5522**.

A 20% lighter version of the original color is **52.8393, 33.4319, 98.2758**, and **14.9019, 6.5180, 53.2960** is the 20% darker color. If you saturate the color by 10%, you get **30.2411, 14.0369, 95.7232**, and if you desaturate by 10%, it is **37.2745, 21.0186, 96.7002**.

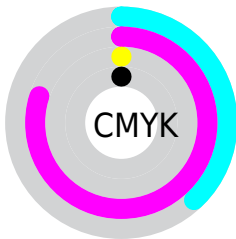
Distribution



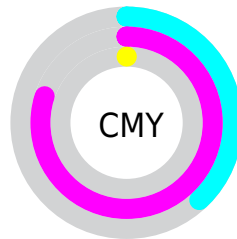
- Red (62%)
- Green (20%)
- Blue (100%)



- Red (62%)
- Yellow (20%)
- Blue (100%)



- Cyan (38%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3344, 16.8568, 96.1045 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 33.3344, 16.8568, 96.1045 by changing the saturation by 10% instead.

33.3344, 16.8568,
96.1045

33.3344, 16.8568,
96.1045

308.7923,
234.3458, 568.7693

22.5432, 10.1324,
72.4526

64.2484, 38.0794,
157.7983

14.3754, 5.4869,
53.0394

85.1020, 53.3464,
196.6773

8.4657, 2.5357,
37.4463

110.0404, 72.2298,
241.4692

4.4486, 0.8944,
25.2547

139.4290, 95.1140,
292.5924

1.9589, 0.0000,
16.0462

173.6331,
122.3832, 350.4654

0.6107, 0.0000,
9.4021

213.0181,

0.0000, 0.0000,

154.4220, 415.5069

4.9040

257.9494,
191.6148, 488.1354

■ 0.0000, 0.0000,
2.1333

■ 0.0000, 0.0000,
0.6355

■ 33.3344, 16.8568,
96.1045

■ 33.3344, 16.8568,
96.1045

■ 30.2411, 14.0369,
95.7232

■ 37.2745, 21.0186,
96.7002

■ 27.8426, 12.2683,
95.5083

■ 42.1528, 26.6989,
97.5395

■ 27.8424, 12.2682,
95.5083

■ 48.0495, 34.0479,
98.6472

■ 55.0347, 43.1967,
100.0449

■ 63.1716, 54.2629,
101.7520

■ 72.5180, 67.3539,
103.7862

■ 83.1276, 82.5690,
106.1639

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



20.8781, 16.8568, 143.2460



33.3344, 16.8568, 96.1045



42.7369, 16.8568, 39.5881

Triad

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



33.3344, 16.8568, 96.1045



22.3182, 16.8568, 0.0000



3.5756, 16.8568, 34.2087

Complementary

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



33.3344, 16.8568, 96.1045



48.5698, 78.0546, 15.6383

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.



3.6933, 16.8568, 6.5127



33.3344, 16.8568, 96.1045



11.9839, 16.8568, 0.0000

Square

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



33.3344, 16.8568, 96.1045



34.7626, 16.8568, 0.4540



6.0649, 16.8568, 0.1068



5.6239, 16.8568, 88.8339

Rectangle

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



33.3344, 16.8568, 96.1045



44.2922, 16.8568, 15.4231



6.0649, 16.8568, 0.1068



3.4010, 16.8568, 21.6349

Sweetspot

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



33.3353, 16.8573, 96.1046



68.6303, 61.8674, 102.9321



30.2580, 29.6093, 98.7281



13.9844, 12.2564, 21.8786



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.



33.3353, 16.8573, 96.1046



28.7422, 12.8964, 95.5821



59.9312, 30.6307, 94.5171



17.9124, 17.8465, 22.7506



14.7221, 6.5000, 49.9133



1.5596, 0.6979, 4.8658

Inverse Universe

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



47.7689, 25.7658, 30.4713



45.1552, 23.0032, 22.0009



37.8006, 72.4940, 15.5401



18.3690, 18.1309, 20.5603



23.4343, 11.8630, 10.9373



2.3365, 1.1770, 1.3533

Previews

White Background



This preview shows how the XYZ color 33.3344, 16.8568, 96.1045 looks on a white background.

Color Contrast Check

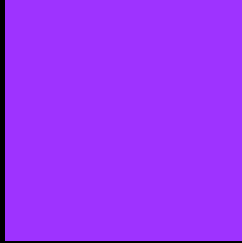
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.3344, 16.8568, 96.1045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

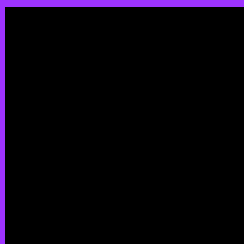
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.3344, 16.8568, 96.1045

Background



This preview shows how black text looks on a background with the XYZ color 33.3344, 16.8568, 96.1045.



This preview shows how white text looks on a background with the XYZ color 33.3344, 16.8568,

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

33.3344, 16.8568, 96.1045

Protanopia

20.1414, 16.9781, 78.5595

Deuteranopia

16.9039, 16.9396, 57.6371



Tritanopia

17.7209, 16.7319, 18.8186

Trichromacy



Original Color

33.3344, 16.8568, 96.1045



Protanomaly

20.9879, 14.3059, 84.0932



Deuteranomaly

18.6528, 13.9190, 70.1101



Tritanomaly

21.1985, 15.1819, 38.3723

Monochromacy



Original Color

33.3344, 16.8568, 96.1045



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

18.1304, 13.5536, 34.9182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3344, 16.8568, 96.1045 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(158, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 51, 255)  
}
```

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(158, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 51, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.3344, 16.8568, 96.1045 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(158, 51, 255) }
```


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

```
.border{ border-color:rgb(158, 51, 255) }
```

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

Here you see how a box with a 4 pixel rgb(158, 51, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 51,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3344, 16.8568, 96.1045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 51, 255) }
```

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

```
.background{ background-color: rgb(158, 51,  
255) }
```

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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