

Converting Colors

XYZ(33.9912, 16.0564, 95.9154)

Have a look what the booklet for
XYZ(33.9912, 16.0564, 95.9154)
contains.

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Color

**XYZ(33.9823, 16.0498,
95.9146)**

Conversions

Conversions Part 1

Format	Color
Hex	A51CFF
RGB	165, 28, 255
RGB Percent	65%, 11%, 100%
CMY	0.3529, 0.8902, 0.0000
CMYK	0.35, 0.89, 0.00, 0.00
HSL	276°, 100%, 55%
HSV	276°, 89%, 100%
XYZ	33.9823, 16.0498, 95.9146
YIQ	94.8410, 8.7850, 99.6410

Conversions

Conversions Part 2

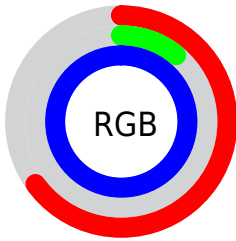
Format	Color
R _Y B	165, 28, 255
Decimal	10820863
CIE Lab	47.04, 83.15, -83.03
CIE LCh	47, 117.510, 315.041
Yxy	16.0498, 0.2328, 0.1100
Android (android.graphics.Color)	4289010943 (0xFFA51CFF)
YUV	94.8410, 78.9584, 61.5294
Hunter-Lab	40.0622, 81.3017, -113.9051

Details

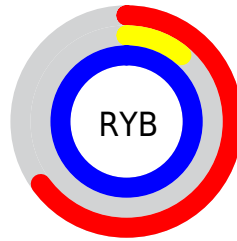
The XYZ color **33.9823, 16.0498, 95.9146** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle washed purple. A complement of this color would be **43.4403, 75.4551, 13.3734**, and the grayscale version is **10.6560, 11.2110, 12.2087**.

A 20% lighter version of the original color is **54.0962, 32.2863, 97.9884**, and **15.6716, 6.9148, 53.3320** is the 20% darker color. If you saturate the color by 10%, you get **31.5744, 14.2324, 95.6907**, and if you desaturate by 10%, it is **37.0508, 18.9392, 96.3106**.

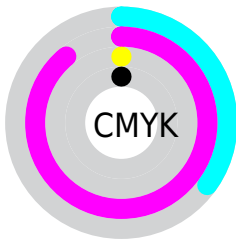
Distribution



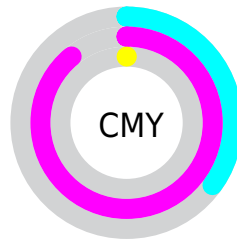
- Red (65%)
- Green (11%)
- Blue (100%)



- Red (65%)
- Yellow (11%)
- Blue (100%)



- Cyan (35%)
- Magenta (89%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (89%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9823, 16.0498, 95.9146 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 33.9823, 16.0498, 95.9146 by changing the saturation by 10% instead.

 33.9823, 16.0498,
95.9146


 33.9823, 16.0498,
95.9146

311.6404,
229.6354, 568.1478


 23.0428, 9.5594,
72.2953


 65.2506, 36.6846,
157.5340

 14.7460, 5.1078,
52.9117


 86.3102, 51.5979,
196.3712


 8.7265, 2.3107,
37.3450


 111.4738, 70.0875,
241.1181

 4.6189, 0.7793,
25.1769

 141.1068, 92.5379,
292.1934

 2.0579, 0.0000,
15.9886

 175.5747,
119.3335, 350.0154

 0.6662, 0.0000,
9.3619

 215.2426,

 0.0000, 0.0000,

150.8587, 415.0028

4.8779

260.4761,
187.4979, 487.5741

■ 0.0000, 0.0000,
2.1183

■ 0.0000, 0.0000,
0.6266

■ 33.9823, 16.0498,
95.9146

■ 33.9823, 16.0498,
95.9146

■ 31.5744, 14.2324,
95.6907

■ 37.0508, 18.9392,
96.3106

■ 31.3580, 14.0805,
95.6728

■ 40.9075, 23.1541,
96.9209

■ 45.6426, 28.8681,
97.7742

■ 51.3318, 36.2274,
98.8949

■ 58.0416, 45.3603,
100.3040

■ 65.8320, 56.3819,
102.0208

■ 74.7582, 69.3975,
104.0626

■ 84.8711, 84.5046,
106.4456

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.



20.9889, 16.0498, 149.2607



33.9823, 16.0498, 95.9146



43.4769, 16.0498, 36.5695

Triad

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



33.9823, 16.0498, 95.9146



20.9551, 16.0498, 0.0000



3.0128, 16.0498, 36.6978

Complementary

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



33.9823, 16.0498, 95.9146



43.4403, 75.4551, 13.3734

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.



3.0103, 16.0498, 6.5478



33.9823, 16.0498, 95.9146



10.6736, 16.0498, 0.0000

Square

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



33.9823, 16.0498, 95.9146



33.9482, 16.0498, 0.0000



5.0987, 16.0498, 0.0000



5.1083, 16.0498, 96.0930

Rectangle

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



33.9823, 16.0498, 95.9146



44.6822, 16.0498, 12.9532



5.0987, 16.0498, 0.0000



2.8134, 16.0498, 22.9441

Sweetspot

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



33.9832, 16.0503, 95.9146



67.5416, 58.8466, 102.4065



25.1019, 20.6130, 97.2634



13.8439, 11.7139, 21.7813



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.



33.9832, 16.0503, 95.9146



31.3580, 14.0805, 95.6728



56.2634, 27.9338, 78.9939



18.0549, 17.9201, 22.7573



16.5581, 7.4465, 49.9992



1.7353, 0.7885, 4.8740

Inverse Universe

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



44.9250, 23.3984, 19.2868



43.5937, 22.2015, 14.3244



36.8298, 72.0033, 15.0543



18.3076, 18.1064, 20.2372



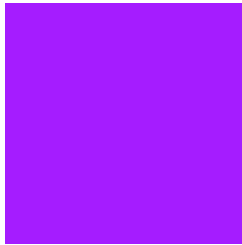
22.8471, 11.6281, 7.8455



2.2766, 1.1530, 1.0378

Previews

White Background



This preview shows how the XYZ color 33.9823, 16.0498, 95.9146 looks on a white background.

Color Contrast Check

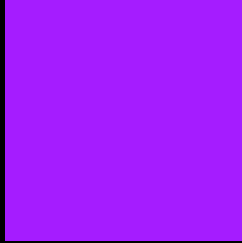
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.9823, 16.0498, 95.9146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

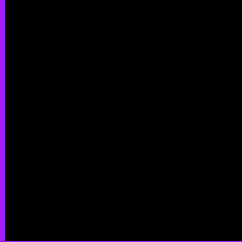
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.9823, 16.0498, 95.9146

Background



This preview shows how black text looks on a background with the XYZ color 33.9823, 16.0498, 95.9146.



This preview shows how white text looks on a background with the XYZ color 33.9823, 16.0498,

95.9146.

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

33.9823, 16.0498, 95.9146

Protanopia

19.2277, 16.2712, 74.8003

Deuteranopia

16.0945, 16.2470, 54.5123



Tritanopia

17.8824, 15.9469, 16.8874

Trichromacy



Original Color

33.9823, 16.0498, 95.9146



Protanomaly

19.9455, 12.6670, 81.5145



Deuteranomaly

17.4811, 12.1569, 67.0708



Tritanomaly

21.1596, 13.8795, 36.2141

Monochromacy



Original Color

33.9823, 16.0498, 95.9146



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

15.7487, 10.7995, 31.3914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9823, 16.0498, 95.9146 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(165, 28, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 28, 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(165, 28, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 28, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.9823, 16.0498, 95.9146 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(165, 28, 255) }
```


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

```
.border{ border-color:rgb(165, 28, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 28, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 28, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 28, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 28,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9823, 16.0498, 95.9146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 28, 255) }
```

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

```
.background{ background-color: rgb(165, 28,  
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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