

Converting Colors

XYZ(33.5048, 19.4899, 86.1895)

Have a look what the booklet for
XYZ(33.5048, 19.4899, 86.1895)
contains.

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Color

**XYZ(33.4493, 19.4367,
85.9931)**

Conversions

Conversions Part 1

Format	Color
Hex	A14EF2
RGB	161, 78, 242
RGB Percent	63%, 31%, 95%
CMY	0.3686, 0.6941, 0.0510
CMYK	0.33, 0.68, 0.00, 0.05
HSL	270°, 86%, 63%
HSV	270°, 68%, 95%
XYZ	33.4493, 19.4367, 85.9931
YIQ	121.5130, -3.1760, 68.6000

Conversions

Conversions Part 2

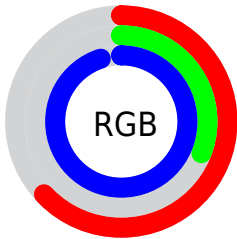
Format	Color
RYB	161, 78, 242
Decimal	10571506
CIELab	51.19, 63.38, -69.02
CIElCh	51, 93.703, 312.562
Yxy	19.4367, 0.2409, 0.1400
Android (android.graphics.Color)	4288761586 (0xFFA14EF2)
YUV	121.5130, 59.4001, 34.6301
Hunter-Lab	44.0871, 58.2773, -84.7859

Details

The XYZ color **33.4493, 19.4367, 85.9931** is a light color, and the websafe version is hex **9966FF**. The color can be described as light washed purple. A complement of this color would be **47.4256, 71.4256, 18.4951**, and the grayscale version is **18.1552, 19.1006, 20.8006**.

A 20% lighter version of the original color is **55.8165, 38.9382, 99.1817**, and **14.4369, 6.7285, 46.4368** is the 20% darker color. If you saturate the color by 10%, you get **29.7408, 15.4252, 85.4147**, and if you desaturate by 10%, it is **38.0221, 24.8326, 86.7940**.

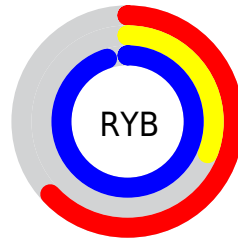
Distribution



Red (63%)

Green (31%)

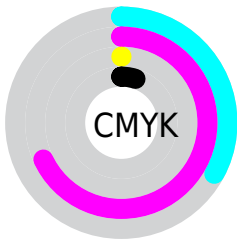
Blue (95%)



Red (63%)

Yellow (31%)

Blue (95%)

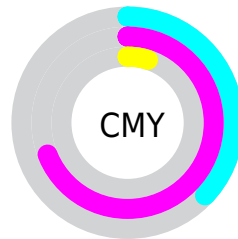


Cyan (33%)

Magenta (68%)

Yellow (0%)

Black (5%)



Cyan (37%)


Magenta (69%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4493, 19.4367, 85.9931 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 33.4493, 19.4367, 85.9931 by changing the saturation by 10% instead.


 33.4493, 19.4367,
85.9931


 33.4493, 19.4367,
85.9931


309.2988,
248.8491, 535.1385


 22.6317, 11.9863,
64.1074

 64.4264, 42.4707,
143.6463


 14.4410, 6.7343,
46.2909


 85.3166, 58.8231,
180.2509

 8.5118, 3.2965,
32.1251


 110.2950, 78.9116,
222.5989

 4.4787, 1.2884,
21.1915

 139.7271,
103.1205, 271.1088

 1.9763, 0.1322,
13.0714

 173.9782,
131.8343, 326.1992

 0.6206, 0.0000,
7.3465

213.4136,

 0.0000, 0.0000,

165.4375, 388.2886

3.5980

258.3987,
204.3142, 457.7955

■ 0.0000, 0.0000,
1.4075

■ 0.0000, 0.0000,
0.1476

■ 33.4493, 19.4367,
85.9931

■ 33.4493, 19.4367,
85.9931

■ 29.7408, 15.4252,
85.4147

■ 38.0221, 24.8326,
86.7940

■ 26.8141, 12.6461,
85.0325

■ 43.5248, 31.7385,
87.8370

■ 24.5646, 10.8991,
84.8139

■ 50.0191, 40.2678,
89.1410

■ 24.1210, 10.5834,
84.7763

■ 57.5600, 50.5220,
90.7228

66.1982, 62.5942,
92.5977

75.9808, 76.5706,
94.7798

86.9519, 92.5320,
97.2824

93.0271, 99.1908,
98.2475

Harmonies

Analogous

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



22.6545, 19.4367, 121.2674



33.4493, 19.4367, 85.9931



41.4036, 19.4367, 40.5838

Triad

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



33.4493, 19.4367, 85.9931



24.3852, 19.4367, 0.0000



5.9176, 19.4367, 34.4114

Complementary

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



33.4493, 19.4367, 85.9931



47.4256, 71.4256, 18.4951

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.



6.1044, 19.4367, 9.2029



33.4493, 19.4367, 85.9931



14.8423, 19.4367, 0.0000

Square

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



33.4493, 19.4367, 85.9931



35.0777, 19.4367, 1.9665



8.8065, 19.4367, 1.3983



8.1644, 19.4367, 78.3628

Rectangle

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



33.4493, 19.4367, 85.9931



42.7996, 19.4367, 18.9502



8.8065, 19.4367, 1.3983



5.7271, 19.4367, 23.5422

Sweetspot

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



33.4502, 19.4374, 85.9936



72.2155, 67.1975, 103.7720



31.7403, 33.1728, 88.7349



14.8603, 13.5465, 22.0815



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.



33.4502, 19.4374, 85.9936



32.2598, 16.1419, 96.0232



55.3698, 30.7373, 87.0194



15.6598, 15.6219, 19.9116



13.1161, 5.7670, 45.5497



1.2060, 0.5390, 3.7947

Inverse Universe

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



45.6007, 26.8297, 35.5761



47.8579, 25.6279, 31.4745



36.2696, 65.6745, 17.9730



16.0983, 15.8890, 18.0737



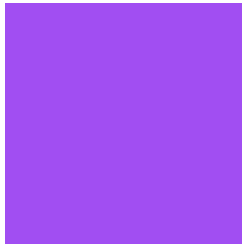
21.5460, 10.8908, 10.7916



1.8426, 0.9261, 1.1620

Previews

White Background



This preview shows how the XYZ color 33.4493, 19.4367, 85.9931 looks on a white background.

Color Contrast Check

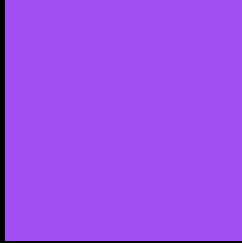
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 33.4493, 19.4367, 85.9931 looks on a black 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

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

XYZ 33.4493, 19.4367, 85.9931

Background



This preview shows how black text looks on a background with the XYZ color 33.4493, 19.4367, 85.9931.



This preview shows how white text looks on a background with the XYZ color 33.4493, 19.4367,

85.9931.

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

33.4493, 19.4367, 85.9931

Protanopia

23.5773, 19.7964, 92.2010

Deuteranopia

19.9885, 19.7292, 69.0843



Tritanopia

20.4283, 19.3747, 22.0650

Trichromacy



Original Color

33.4493, 19.4367, 85.9931



Protanomaly

23.2884, 17.2841, 89.2975



Deuteranomaly

21.0313, 17.2010, 74.8847



Tritanomaly

23.6733, 18.4409, 39.3575

Monochromacy



Original Color

33.4493, 19.4367, 85.9931



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

22.1903, 18.2955, 38.4382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4493, 19.4367, 85.9931 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(161, 78, 242)` looks like.

```
.text, #text, p{  
    color:rgb(161, 78, 242)  
}
```

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(161, 78, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 78, 242) }
```

Border

The CSS property to change the border of an element to XYZ 33.4493, 19.4367, 85.9931 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(161, 78, 242) }
```


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

```
.border{ border-color:rgb(161, 78, 242) }
```

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

Here you see how a box with a 4 pixel rgb(161, 78, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 78, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 78, 242);  
box-shadow:4px 4px 4px 4px rgb(161, 78,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4493, 19.4367, 85.9931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 78, 242) }
```

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

```
.background{ background-color: rgb(161, 78,  
242) }
```

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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