

Converting Colors

XYZ(33.5673, 19.2643, 96.5569)

Have a look what the booklet for
XYZ(33.5673, 19.2643, 96.5569)
contains.

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Color

**XYZ(33.5369, 19.2481,
96.5554)**

Conversions

Conversions Part 1

Format	Color
Hex	974EFF
RGB	151, 78, 255
RGB Percent	59%, 31%, 100%
CMY	0.4078, 0.6941, 0.0000
CMYK	0.41, 0.69, 0.00, 0.00
HSL	265°, 100%, 65%
HSV	265°, 69%, 100%
XYZ	33.5369, 19.2481, 96.5554
YIQ	120.0050, -13.3090, 70.5230

Conversions

Conversions Part 2

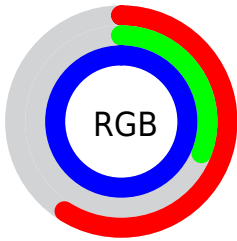
Format	Color
R_{YB}	151, 78, 255
Decimal	9916159
CIE _{Lab}	50.98, 64.63, -76.67
CIE _{LCh}	51, 100.275, 310.128
Yxy	19.2481, 0.2246, 0.1289
Android (android.graphics.Color)	4288106239 (0xFF974EFF)
YUV	120.0050, 66.5525, 27.1826
Hunter-Lab	43.8727, 59.6709, -99.7752

Details

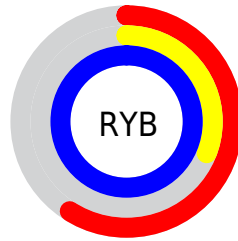
The XYZ color **33.5369, 19.2481, 96.5554** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **56.4257, 82.0147, 20.0644**, and the grayscale version is **17.6523, 18.5715, 20.2244**.

A 20% lighter version of the original color is **53.1652, 37.5714, 99.0576**, and **14.5274, 6.6706, 53.3452** is the 20% darker color. If you saturate the color by 10%, you get **29.4574, 14.9570, 95.9422**, and if you desaturate by 10%, it is **38.6734, 25.1261, 97.4192**.

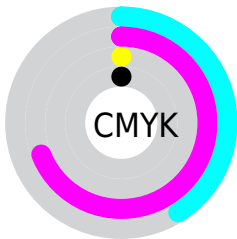
Distribution



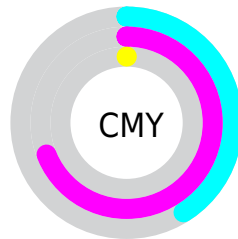
- Red (59%)
- Green (31%)
- Blue (100%)



- Red (59%)
- Yellow (31%)
- Blue (100%)



- Cyan (41%)
- Magenta (69%)
- Yellow (0%)
- Black (0%)





- Cyan (41%)
- Magenta (69%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5369, 19.2481, 96.5554 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 33.5369, 19.2481, 96.5554 by changing the saturation by 10% instead.


 33.5369, 19.2481,
96.5554


 33.5369, 19.2481,
96.5554


309.6845,
247.8150, 570.2436


 22.6993, 11.8497,
72.8262


 64.5619, 42.1529,
158.4257

 14.4911, 6.6414,
53.3429


 85.4801, 58.4281,
197.4039


 8.5470, 3.2389,
37.6870


 110.4891, 78.4310,
242.3022

 4.5016, 1.2577,
25.4399

 139.9543,
102.5460, 293.5391

 1.9896, 0.1081,
16.1831

 174.2411,
131.1575, 351.5331

 0.6281, 0.0000,
9.4981

213.7148,

 0.0000, 0.0000,

164.6499, 416.7028

4.9662

258.7408,
203.4076, 489.4668

■ 0.0000, 0.0000,
2.1691

■ 0.0000, 0.0000,
0.6564

■ 33.5369, 19.2481,
96.5554

■ 33.5369, 19.2481,
96.5554

■ 29.4574, 14.9570,
95.9422

■ 38.6734, 25.1261,
97.4192

■ 26.3327, 12.0717,
95.5499

■ 44.9493, 32.7408,
98.5583

■ 24.0170, 10.3203,
95.3339

■ 52.4409, 42.2263,
99.9943

■ 23.8963, 10.2339,
95.3236

■ 61.2167, 53.7021,
101.7468

71.3394, 67.2780,
103.8337

82.8675, 83.0555,
106.2715

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.



21.8559, 19.2481, 133.7403



33.5369, 19.2481, 96.5554



42.7176, 19.2481, 45.5342

Triad

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



33.5369, 19.2481, 96.5554



25.5703, 19.2481, 0.0000



5.2136, 19.2481, 32.0989

Complementary

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



33.5369, 19.2481, 96.5554



56.4257, 82.0147, 20.0644

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.



5.5850, 19.2481, 7.3381



33.5369, 19.2481, 96.5554



15.1431, 19.2481, 0.0000

Square

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



33.5369, 19.2481, 96.5554



37.0851, 19.2481, 1.7895



8.5535, 19.2481, 0.7843



7.2469, 19.2481, 79.5119

Rectangle

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



33.5369, 19.2481, 96.5554



44.7468, 19.2481, 20.8365



8.5535, 19.2481, 0.7843



5.0860, 19.2481, 21.0797

Sweetspot

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



33.5378, 19.2487, 96.5555



69.6388, 64.9768, 103.4792



38.3741, 43.2040, 100.9244



14.2908, 13.0796, 22.0214



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.



33.5378, 19.2487, 96.5555



28.2319, 13.7704, 95.7777



55.7998, 30.7251, 97.5973



17.7127, 17.7436, 22.7412



12.6461, 5.4298, 49.8161



1.3519, 0.5908, 4.8561

Inverse Universe

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



52.4076, 30.0862, 47.2990



49.1570, 25.8295, 39.2963



41.9276, 74.5407, 19.3859



18.4571, 18.1662, 21.0244



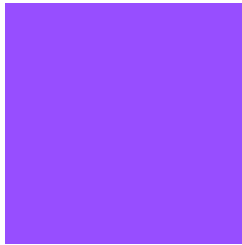
24.4940, 12.2869, 16.5177



2.4393, 1.2181, 1.8946

Previews

White Background



This preview shows how the XYZ color 33.5369, 19.2481, 96.5554 looks on a white background.

Color Contrast Check

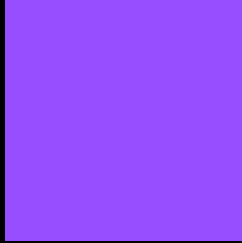
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5369, 19.2481, 96.5554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

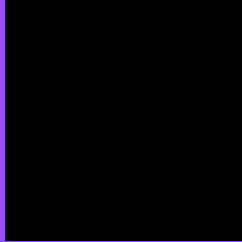
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.5369, 19.2481, 96.5554

Background



This preview shows how black text looks on a background with the XYZ color 33.5369, 19.2481, 96.5554.



This preview shows how white text looks on a background with the XYZ color 33.5369, 19.2481,

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

33.5369, 19.2481, 96.5554

Protanopia

23.1498, 19.4380, 90.5275

Deuteranopia

19.3453, 19.2703, 66.3183



Tritanopia

18.7277, 18.9896, 23.4472

Trichromacy



Original Color

33.5369, 19.2481, 96.5554



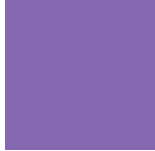
Protanomaly

23.6811, 17.4148, 92.5558



Deuteranomaly

20.9761, 16.9848, 76.3016



Tritanomaly

22.3610, 17.9823, 42.8498

Monochromacy



Original Color

33.5369, 19.2481, 96.5554



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

21.5731, 17.7930, 39.8335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5369, 19.2481, 96.5554 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(151, 78, 255)` looks like.

```
.text, #text, p{  
    color:rgb(151, 78, 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(151, 78, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 78, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.5369, 19.2481, 96.5554 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(151, 78, 255) }
```


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

```
.border{ border-color:rgb(151, 78, 255) }
```

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

Here you see how a box with a 4 pixel rgb(151, 78, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 78, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 78, 255);  
box-shadow:4px 4px 4px 4px rgb(151, 78,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5369, 19.2481, 96.5554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 78, 255) }
```

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

```
.background{ background-color: rgb(151, 78,  
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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