

Converting Colors

XYZ(34.2224, 19.6013, 97.9967)

Have a look what the booklet for
XYZ(34.2224, 19.6013, 97.9967)
contains.

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Color

**XYZ(33.9113, 19.4411,
96.5729)**

Conversions

Conversions Part 1

Format	Color
Hex	994EFF
RGB	153, 78, 255
RGB Percent	60%, 31%, 100%
CMY	0.4000, 0.6941, 0.0000
CMYK	0.40, 0.69, 0.00, 0.00
HSL	265°, 100%, 65%
HSV	265°, 69%, 100%
XYZ	33.9113, 19.4411, 96.5729
YIQ	120.6030, -12.1170, 70.9470

Conversions

Conversions Part 2

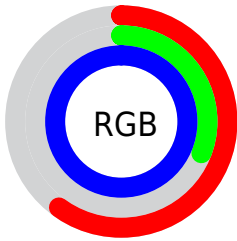
Format	Color
R_{YB}	153, 78, 255
Decimal	10047231
CIE _{Lab}	51.20, 64.97, -76.30
CIE _{LCh}	51, 100.216, 310.417
Yxy	19.4411, 0.2262, 0.1297
Android (android.graphics.Color)	4288237311 (0xFF994EFF)
YUV	120.6030, 66.2577, 28.4122
Hunter-Lab	44.0921, 60.1236, -98.9958

Details

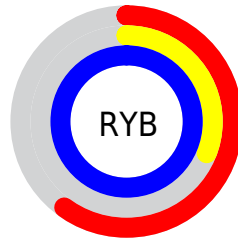
The XYZ color **33.9113, 19.4411, 96.5729** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **55.9567, 81.7729, 20.0424**, and the grayscale version is **17.8434, 18.7727, 20.4434**.

A 20% lighter version of the original color is **53.7418, 37.8687, 99.0846**, and **14.7080, 6.7391, 53.3489** is the 20% darker color. If you saturate the color by 10%, you get **29.8331, 15.1507, 95.9597**, and if you desaturate by 10%, it is **39.0347, 25.3123, 97.4361**.

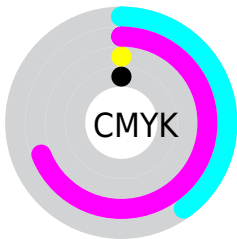
Distribution



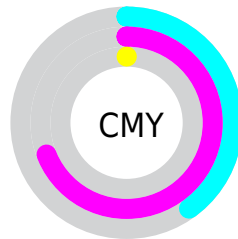
- Red (60%)
- Green (31%)
- Blue (100%)



- Red (60%)
- Yellow (31%)
- Blue (100%)



- Cyan (40%)
- Magenta (69%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (69%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9113, 19.4411, 96.5729 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 33.9113, 19.4411, 96.5729 by changing the saturation by 10% instead.

 33.9113, 19.4411,
96.5729


 33.9113, 19.4411,
96.5729


311.3292,
248.8732, 570.3007


 22.9880, 11.9894,
72.8407


 65.1409, 42.4781,
158.4501


 14.7053, 6.7365,
53.3547


 86.1780, 58.8323,
197.4321


 8.6978, 3.2979,
37.6963


 111.3170, 78.9228,
242.3345

 4.6001, 1.2891,
25.4471

 140.9234,
103.1339, 293.5758

 2.0469, 0.1328,
16.1884

 175.3624,
131.8501, 351.5745

 0.6601, 0.0000,
9.5018

214.9995,

 0.0000, 0.0000,

165.4558, 416.7492

4.9686

260.2000,
204.3354, 489.5185

■ 0.0000, 0.0000,
2.1705

■ 0.0000, 0.0000,
0.6572

■ 33.9113, 19.4411,
96.5729

■ 33.9113, 19.4411,
96.5729

■ 29.8331, 15.1507,
95.9597

■ 39.0347, 25.3123,
97.4361

■ 26.6988, 12.2604,
95.5671

■ 45.2848, 32.9138,
98.5740

■ 24.3634, 10.4988,
95.3501

■ 52.7374, 42.3791,
100.0082

■ 24.2413, 10.4117,
95.3397

■ 61.4600, 53.8276,
101.7582

■ 71.5150, 67.3686,
103.8419

■ 82.9601, 83.1032,
106.2758

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.



22.1676, 19.4411, 134.1823



33.9113, 19.4411, 96.5729



43.0789, 19.4411, 45.4315

Triad

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



33.9113, 19.4411, 96.5729



25.6808, 19.4411, 0.0000



5.3056, 19.4411, 32.7345

Complementary

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



33.9113, 19.4411, 96.5729



55.9567, 81.7729, 20.0424

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.



5.6583, 19.4411, 7.5792



33.9113, 19.4411, 96.5729



15.2226, 19.4411, 0.0000

Square

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



33.9113, 19.4411, 96.5729



37.2646, 19.4411, 1.7934



8.6240, 19.4411, 0.8373



7.3846, 19.4411, 80.4866

Rectangle

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



33.9113, 19.4411, 96.5729



45.0581, 19.4411, 20.7705



8.6240, 19.4411, 0.8373



5.1694, 19.4411, 21.5706

Sweetspot

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



33.9122, 19.4417, 96.5730



69.8262, 65.0734, 103.4879



37.7668, 41.9894, 100.7220



14.3351, 13.1024, 22.0234



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.



33.9122, 19.4417, 96.5730



28.6054, 13.9629, 95.7952



56.7946, 31.2380, 97.6439



17.7327, 17.7539, 22.7422



12.8285, 5.5238, 49.8247



1.3707, 0.6005, 4.8569

Inverse Universe

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



52.2023, 30.0041, 46.2180



48.9367, 25.7413, 38.1361



41.6242, 74.3842, 19.3717



18.4482, 18.1626, 20.9773



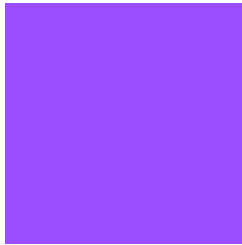
24.3746, 12.2391, 15.8888



2.4279, 1.2135, 1.8349

Previews

White Background



This preview shows how the XYZ color 33.9113, 19.4411, 96.5729 looks on a white background.

Color Contrast Check

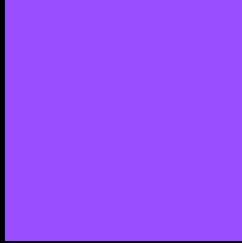
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.9113, 19.4411, 96.5729 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 33.9113, 19.4411, 96.5729

Background



This preview shows how black text looks on a background with the XYZ color 33.9113, 19.4411, 96.5729.



This preview shows how white text looks on a background with the XYZ color 33.9113, 19.4411,

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

33.9113, 19.4411, 96.5729

Protanopia

23.3046, 19.4999, 91.3425

Deuteranopia

19.7283, 19.6251, 67.7140



Tritanopia

19.1364, 19.3779, 23.5006

Trichromacy



Original Color

33.9113, 19.4411, 96.5729



Protanomaly

23.8937, 17.5063, 93.3865



Deuteranomaly

21.2764, 17.2790, 77.0767



Tritanomaly

22.7811, 18.3492, 42.8985

Monochromacy



Original Color

33.9113, 19.4411, 96.5729



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

21.9801, 17.9920, 40.3445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9113, 19.4411, 96.5729 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(153, 78, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 78, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 78, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.9113, 19.4411, 96.5729 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(153, 78, 255) }
```


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

```
.border{ border-color:rgb(153, 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(153, 78, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 78, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 78, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 78,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9113, 19.4411, 96.5729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 78, 255) }
```

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

```
.background{ background-color: rgb(153, 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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