

Converting Colors

XYZ(33.6938, 18.7248, 96.4461)

Have a look what the booklet for
XYZ(33.6938, 18.7248, 96.4461)
contains.

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Color

**XYZ(33.6938, 18.7248,
96.4461)**

Conversions

Conversions Part 1

Format	Color
Hex	9A48FF
RGB	154, 72, 255
RGB Percent	60%, 28%, 100%
CMY	0.3961, 0.7176, 0.0000
CMYK	0.40, 0.72, 0.00, 0.00
HSL	267°, 100%, 64%
HSV	267°, 72%, 100%
XYZ	33.6938, 18.7248, 96.4461
YIQ	117.3800, -9.8710, 74.2970

Conversions

Conversions Part 2

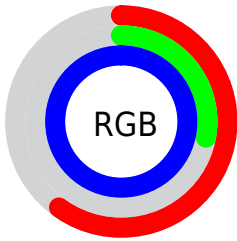
Format	Color
RYB	154, 72, 255
Decimal	10111231
CIELab	50.36, 67.82, -77.66
CIELCh	50, 103.099, 311.131
Yxy	18.7248, 0.2263, 0.1258
Android (android.graphics.Color)	4288301311 (0xFF9A48FF)
YUV	117.3800, 67.8467, 32.1157
Hunter-Lab	43.2722, 63.2625, -101.8566

Details

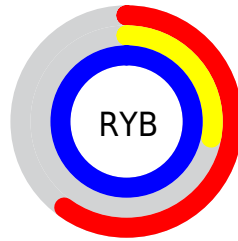
The XYZ color **33.6938, 18.7248, 96.4461** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **54.1627, 80.8718, 18.8863**, and the grayscale version is **16.8254, 17.7017, 19.2771**.

A 20% lighter version of the original color is **53.6637, 36.8458, 98.8913**, and **14.6140, 6.4018, 53.2888** is the 20% darker color. If you saturate the color by 10%, you get **29.8503, 14.7829, 95.8878**, and if you desaturate by 10%, it is **38.5362, 24.1957, 97.2469**.

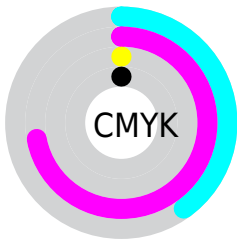
Distribution



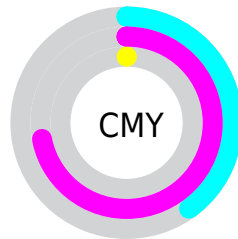
- Red (60%)
- Green (28%)
- Blue (100%)



- Red (60%)
- Yellow (28%)
- Blue (100%)



- Cyan (40%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6938, 18.7248, 96.4461 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 33.6938, 18.7248, 96.4461 by changing the saturation by 10% instead.

 33.6938, 18.7248,
96.4461

 33.6938, 18.7248,
96.4461


310.3746,
244.9253, 569.8864

 22.8202, 11.4716,
72.7356


 64.8047, 41.2686,
158.2737


 14.5808, 6.3850,
53.2693


 85.7727, 57.3279,
197.2278


 8.6101, 3.0806,
37.6286


 110.8363, 77.0914,
242.1003

 4.5428, 1.1739,
25.3950

 140.3607,
100.9435, 293.3097

 2.0136, 0.0403,
16.1499

 174.7114,
129.2685, 351.2744

 0.6416, 0.0000,
9.4748

214.2537,

 0.0000, 0.0000,

162.4509, 416.4131

4.9511

259.3530,
200.8750, 489.1442

■ 0.0000, 0.0000,
2.1604

■ 0.0000, 0.0000,
0.6514

■ 33.6938, 18.7248,
96.4461

■ 33.6938, 18.7248,
96.4461

■ 29.8503, 14.7829,
95.8878

■ 38.5362, 24.1957,
97.2469

■ 26.9014, 12.1812,
95.5411

■ 44.4602, 31.3497,
98.3155

■ 25.0243, 10.8154,
95.3764

■ 51.5420, 40.3233,
99.6744

■ 59.8494, 51.2380,
101.3433

■ 69.4445, 64.2045,
103.3403

■ 80.3847, 79.3252,
105.6823

■ 92.7241, 96.6954,
108.3847

■ 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.



21.7769, 18.7248, 136.3627



33.6938, 18.7248, 96.4461



42.9235, 18.7248, 43.9103

Triad

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



33.6938, 18.7248, 96.4461



24.7745, 18.7248, 0.0000



4.8059, 18.7248, 32.9860

Complementary

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



33.6938, 18.7248, 96.4461



54.1627, 80.8718, 18.8863

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.



5.0922, 18.7248, 7.2538



33.6938, 18.7248, 96.4461



14.3348, 18.7248, 0.0000

Square

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



33.6938, 18.7248, 96.4461



36.5829, 18.7248, 1.3776



7.9030, 18.7248, 0.6417



6.8816, 18.7248, 82.3723

Rectangle

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



33.6938, 18.7248, 96.4461



44.8034, 18.7248, 19.3195



7.9030, 18.7248, 0.6417



4.6577, 18.7248, 21.4955

Sweetspot

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



33.6947, 18.7254, 96.4462



69.2029, 63.8743, 103.2893



36.1893, 39.5311, 100.3306



14.2292, 12.8774, 21.9856



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.



33.6947, 18.7254, 96.4462



28.4986, 13.5295, 95.7172



57.2606, 30.8740, 97.5491



17.7759, 17.7762, 22.7442



13.2417, 5.7369, 49.8440



1.4129, 0.6223, 4.8589

Inverse Universe

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



51.1000, 28.9119, 42.4209



47.9246, 24.9288, 34.0634



40.6039, 73.8820, 18.2517



18.4290, 18.1549, 20.8760



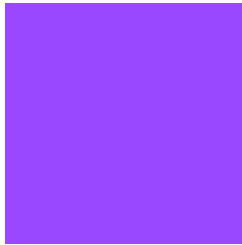
24.1269, 12.1401, 14.5848



2.4042, 1.2041, 1.7101

Previews

White Background



This preview shows how the XYZ color 33.6938, 18.7248, 96.4461 looks on a white background.

Color Contrast Check

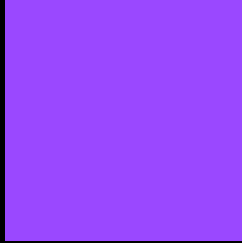
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.6938, 18.7248, 96.4461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

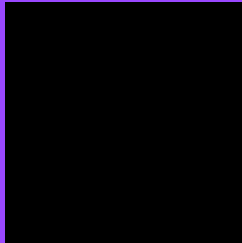
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.6938, 18.7248, 96.4461

Background



This preview shows how black text looks on a background with the XYZ color 33.6938, 18.7248, 96.4461.



This preview shows how white text looks on a background with the XYZ color 33.6938, 18.7248,

96.4461.

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

33.6938, 18.7248, 96.4461

Protanopia

22.4599, 18.7931, 88.0316

Deuteranopia

18.8408, 18.8691, 64.2771



Tritanopia

18.7314, 18.6646, 22.3540

Trichromacy



Original Color

33.6938, 18.7248, 96.4461



Protanomaly

23.0360, 16.5417, 90.7857



Deuteranomaly

20.4463, 16.2874, 74.7392



Tritanomaly

22.3498, 17.5587, 41.7464

Monochromacy



Original Color

33.6938, 18.7248, 96.4461



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

20.8347, 16.8432, 38.7122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6938, 18.7248, 96.4461 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(154, 72, 255)` looks like.

```
.text, #text, p{  
    color:rgb(154, 72, 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(154, 72, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 72, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.6938, 18.7248, 96.4461 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(154, 72, 255) }
```


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

```
.border{ border-color:rgb(154, 72, 255) }
```

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

Here you see how a box with a 4 pixel rgb(154, 72, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 72, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 72, 255);  
box-shadow:4px 4px 4px 4px rgb(154, 72,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6938, 18.7248, 96.4461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 72, 255) }
```

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

```
.background{ background-color: rgb(154, 72,  
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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