

Converting Colors

XYZ(30.8792, 18.8571, 96.6200)

Have a look what the booklet for
XYZ(30.8792, 18.8571, 96.6200)
contains.

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Color

**XYZ(30.9739, 18.9419,
96.6314)**

Conversions

Conversions Part 1

Format	Color
Hex	8457FF
RGB	132, 87, 255
RGB Percent	52%, 34%, 100%
CMY	0.4823, 0.6588, 0.0000
CMYK	0.48, 0.66, 0.00, 0.00
HSL	256°, 100%, 67%
HSV	256°, 66%, 100%
XYZ	30.9739, 18.9419, 96.6314
YIQ	119.6070, -27.1080, 61.7880

Conversions

Conversions Part 2

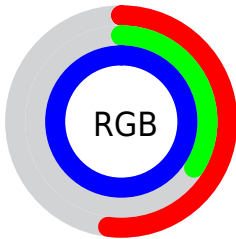
Format	Color
R _Y B	132, 87, 255
Decimal	8673279
CIE Lab	50.62, 56.93, -77.34
CIE LCh	51, 96.029, 306.356
Yxy	18.9419, 0.2114, 0.1293
Android (android.graphics.Color)	4286863359 (0xFF8457FF)
YUV	119.6070, 66.7487, 10.8687
Hunter-Lab	43.5223, 50.8707, -101.1744

Details

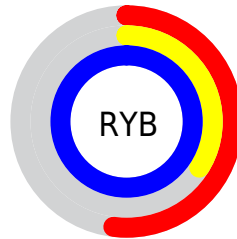
The XYZ color **30.9739, 18.9419, 96.6314** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **64.0571, 85.9090, 22.2228**, and the grayscale version is **17.5286, 18.4415, 20.0827**.

A 20% lighter version of the original color is **49.2749, 37.0227, 99.1568**, and **13.0237, 6.4863, 53.3889** is the 20% darker color. If you saturate the color by 10%, you get **26.5990, 14.1442, 95.9359**, and if you desaturate by 10%, it is **36.6017, 25.4672, 97.5943**.

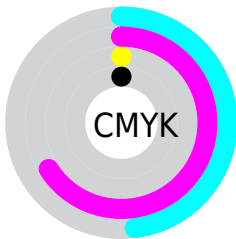
Distribution



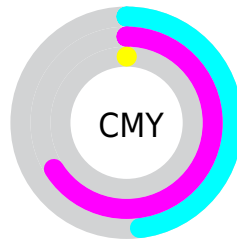
- Red (52%)
- Green (34%)
- Blue (100%)



- Red (52%)
- Yellow (34%)
- Blue (100%)



- Cyan (48%)
- Magenta (66%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (66%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9739, 18.9419, 96.6314 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 30.9739, 18.9419, 96.6314 by changing the saturation by 10% instead.

 30.9739, 18.9419,
96.6314


 30.9739, 18.9419,
96.6314


298.2471,
246.1278, 570.4919


 20.7307, 11.6283,
72.8892


 60.5751, 41.6359,
158.5314

 13.0386, 6.4911,
53.3941


 80.6638, 57.7851,
197.5263


 7.5323, 3.1459,
37.7276


 104.7651, 77.6483,
242.4425

 3.8465, 1.2084,
25.4711

 133.2442,
101.6098, 293.6985

 1.6156, 0.0685,
16.2062

 166.4667,
130.0542, 351.7130

 0.4026, 0.0000,
9.5143

204.7977,

 0.0000, 0.0000,

163.3657, 416.9043

4.9767

248.6027,
201.9288, 489.6911

■ 0.0000, 0.0000,
2.1751

■ 0.0000, 0.0000,
0.6600

■ 30.9739, 18.9419,
96.6314

■ 30.9739, 18.9419,
96.6314

■ 26.5990, 14.1442,
95.9359

■ 36.6017, 25.4672,
97.5943

■ 23.3658, 10.8969,
95.4795

■ 43.5744, 33.8701,
98.8487

■ 21.1444, 8.9845,
95.2275

■ 51.9782, 44.2853,
100.4161

■ 20.4557, 8.4602,
95.1626

■ 61.8907, 56.8348,
102.3160

■ 73.3839, 71.6306,
104.5661

■ 86.5248, 88.7767,
107.1830

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.



20.0781, 18.9419, 126.5862



30.9739, 18.9419, 96.6314



40.1363, 18.9419, 49.1051

Triad

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



30.9739, 18.9419, 96.6314



26.2629, 18.9419, 0.0000



5.3577, 18.9419, 26.8971

Complementary

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



30.9739, 18.9419, 96.6314



64.0571, 85.9090, 22.2228

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.



6.0088, 18.9419, 6.0569



30.9739, 18.9419, 96.6314



16.0774, 18.9419, 0.0000

Square

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



30.9739, 18.9419, 96.6314



36.8199, 18.9419, 2.6466



9.2788, 18.9419, 0.6947



7.0231, 18.9419, 68.9978

Rectangle

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



30.9739, 18.9419, 96.6314



42.7149, 18.9419, 24.0905



9.2788, 18.9419, 0.6947



5.3246, 18.9419, 17.5080

Sweetspot

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



30.9748, 18.9424, 96.6314



68.4554, 65.2592, 103.5960



45.0765, 55.4383, 102.9326



13.9660, 13.0855, 22.0396



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.



30.9748, 18.9424, 96.6314



25.4740, 12.9745, 95.7694



49.7181, 28.6049, 97.5086



17.4594, 17.6131, 22.7294



10.8086, 4.4825, 49.7301



1.1509, 0.4872, 4.8467

Inverse Universe

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



56.2804, 32.7293, 64.3204



53.0849, 28.0753, 57.9003



46.1140, 76.6590, 21.3831



18.5728, 18.2124, 21.6332



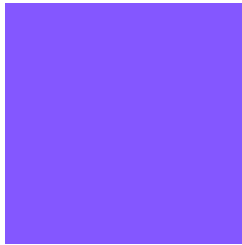
26.2836, 13.0027, 25.9417



2.6046, 1.2842, 2.7654

Previews

White Background



This preview shows how the XYZ color 30.9739, 18.9419, 96.6314 looks on a white background.

Color Contrast Check

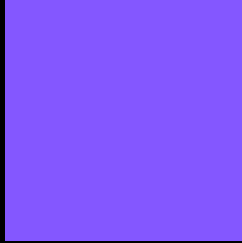
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.9739, 18.9419, 96.6314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

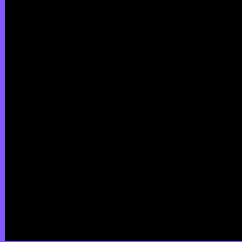
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.9739, 18.9419, 96.6314

Background



This preview shows how black text looks on a background with the XYZ color 30.9739, 18.9419, 96.6314.



This preview shows how white text looks on a background with the XYZ color 30.9739, 18.9419,

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

30.9739, 18.9419, 96.6314

Protanopia

22.7268, 19.0834, 88.8718

Deuteranopia

18.9666, 18.9194, 64.9395



Tritanopia

16.5477, 18.7332, 25.2980

Trichromacy



Original Color

30.9739, 18.9419, 96.6314



Protanomaly

23.3694, 17.5711, 91.7824



Deuteranomaly

20.7984, 17.3817, 75.6576



Tritanomaly

20.1507, 17.8982, 44.5121

Monochromacy



Original Color

30.9739, 18.9419, 96.6314



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

20.8362, 17.8748, 39.8881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9739, 18.9419, 96.6314 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(132, 87, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 87, 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(132, 87, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 87, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.9739, 18.9419, 96.6314 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(132, 87, 255) }
```


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

```
.border{ border-color:rgb(132, 87, 255) }
```

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

Here you see how a box with a 4 pixel rgb(132, 87, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 87, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 87, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 87,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9739, 18.9419, 96.6314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 87, 255) }
```

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

```
.background{ background-color: rgb(132, 87,  
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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