

Converting Colors

XYZ(28.4636, 16.9564, 96.3805)

Have a look what the booklet for
XYZ(28.4636, 16.9564, 96.3805)
contains.

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Color

**XYZ(28.4636, 16.9564,
96.3805)**

Conversions

Conversions Part 1

Format	Color
Hex	7651FF
RGB	118, 81, 255
RGB Percent	46%, 32%, 100%
CMY	0.5372, 0.6824, 0.0000
CMYK	0.54, 0.68, 0.00, 0.00
HSL	253°, 100%, 66%
HSV	253°, 68%, 100%
XYZ	28.4636, 16.9564, 96.3805
YIQ	111.8990, -33.8020, 61.9580

Conversions

Conversions Part 2

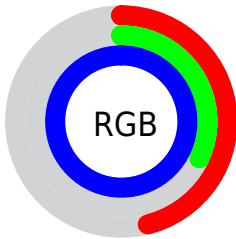
Format	Color
R _Y B	118, 81, 255
Decimal	7754239
CIE Lab	48.21, 57.77, -81.33
CIE LCh	48, 99.764, 305.387
Yxy	16.9564, 0.2007, 0.1196
Android (android.graphics.Color)	4285944319 (0xFF7651FF)
YUV	111.8990, 70.5488, 5.3506
Hunter-Lab	41.1781, 51.3229, -109.9479

Details

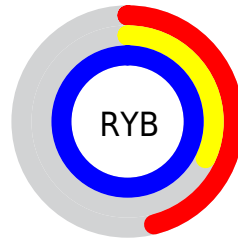
The XYZ color **28.4636, 16.9564, 96.3805** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **66.1567, 87.0185, 21.0940**, and the grayscale version is **15.1794, 15.9699, 17.3913**.

A 20% lighter version of the original color is **45.2599, 33.6984, 98.7267**, and **11.6690, 5.5406, 53.2777** is the 20% darker color. If you saturate the color by 10%, you get **24.4694, 12.5928, 95.7487**, and if you desaturate by 10%, it is **33.7506, 23.0417, 97.2764**.

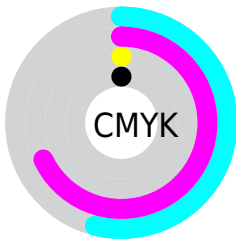
Distribution



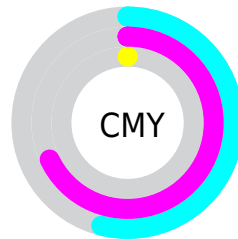
- Red (46%)
- Green (32%)
- Blue (100%)



- Red (46%)
- Yellow (32%)
- Blue (100%)



- Cyan (54%)
- Magenta (68%)
- Yellow (0%)
- Black (0%)





- Cyan (54%)
- Magenta (68%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4636, 16.9564, 96.3805 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 28.4636, 16.9564, 96.3805 by changing the saturation by 10% instead.

 28.4636, 16.9564,
96.3805


 28.4636, 16.9564,
96.3805

286.7157,
234.9210, 569.6720


 18.8177, 10.2034,
72.6813


 56.6272, 38.2508,
158.1824

 11.6418, 5.5340,
53.2252


 75.8756, 53.5610,
197.1221


 6.5707, 2.5639,
37.5936


 99.0556, 72.4924,
241.9791

 3.2390, 0.9085,
25.3680

 126.5324, 95.4294,
293.1720

 1.2814, 0.0000,
16.1300

 158.6715,
122.7563, 351.1191

 0.1692, 0.0000,
9.4608

195.8381,

 0.0000, 0.0000,

154.8576, 416.2391

4.9421

238.3977,
192.1177, 488.9506

■ 0.0000, 0.0000,
2.1552

■ 0.0000, 0.0000,
0.6483

■ 28.4636, 16.9564,
96.3805

■ 28.4636, 16.9564,
96.3805

■ 24.4694, 12.5928,
95.7487

■ 33.7506, 23.0417,
97.2764

■ 21.6441, 9.7620,
95.3512

■ 40.4332, 31.0077,
98.4618

■ 19.8308, 8.2105,
95.1473

■ 48.6060, 40.9963,
99.9590

■ 19.5839, 8.0107,
95.1218

■ 58.3547, 53.1352,
101.7882

■ 69.7580, 67.5414,
103.9679

■ 82.8894, 84.3234,
106.5151

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.



17.8089, 16.9564, 126.0845



28.4636, 16.9564, 96.3805



37.7230, 16.9564, 48.0320

Triad

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



28.4636, 16.9564, 96.3805



24.5201, 16.9564, 0.0000



4.2467, 16.9564, 23.5566

Complementary

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



28.4636, 16.9564, 96.3805



66.1567, 87.0185, 21.0940

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.



4.8966, 16.9564, 4.5000



28.4636, 16.9564, 96.3805



14.5350, 16.9564, 0.0000

Square

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



28.4636, 16.9564, 96.3805



34.9113, 16.9564, 2.0177



7.9836, 16.9564, 0.1244



5.6740, 16.9564, 65.0799

Rectangle

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



28.4636, 16.9564, 96.3805



40.4798, 16.9564, 22.7752



7.9836, 16.9564, 0.1244



4.2383, 16.9564, 14.7320

Sweetspot

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



28.4645, 16.9568, 96.3805



67.6222, 64.8296, 103.5570



47.0890, 60.2607, 103.7574



13.7693, 12.9840, 22.0304



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.



28.4645, 16.9568, 96.3805



23.2758, 11.3585, 95.5734



45.5666, 25.7733, 97.1809



17.3640, 17.5639, 22.7249



10.3331, 4.2374, 49.7079



1.0926, 0.4572, 4.8439

Inverse Universe

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



56.8365, 32.2064, 69.5462



53.9119, 27.8857, 63.8596



46.9496, 77.1169, 20.1951



18.6175, 18.2303, 21.8688



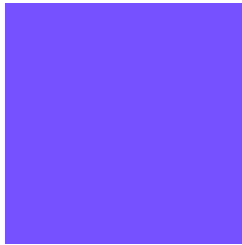
27.1002, 13.3294, 30.2420



2.6780, 1.3136, 3.1517

Previews

White Background



This preview shows how the XYZ color 28.4636, 16.9564, 96.3805 looks on a white background.

Color Contrast Check

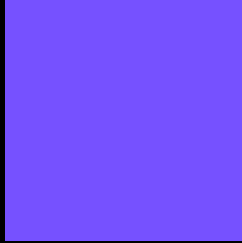
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.4636, 16.9564, 96.3805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

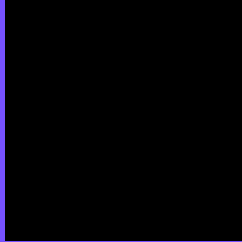
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.4636, 16.9564, 96.3805

Background



This preview shows how black text looks on a background with the XYZ color 28.4636, 16.9564, 96.3805.



This preview shows how white text looks on a background with the XYZ color 28.4636, 16.9564,

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

28.4636, 16.9564, 96.3805

Protanopia

20.1414, 16.9781, 78.5595

Deuteranopia

16.7866, 16.8927, 57.0195



Tritanopia

13.9146, 16.8499, 23.9917

Trichromacy



Original Color

28.4636, 16.9564, 96.3805



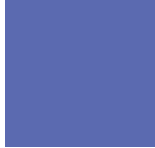
Protanomaly

21.1863, 15.7285, 84.3573



Deuteranomaly

18.8648, 15.5815, 69.7234



Tritanomaly

17.3049, 15.6668, 43.1862

Monochromacy



Original Color

28.4636, 16.9564, 96.3805



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

18.2940, 15.5651, 37.1621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4636, 16.9564, 96.3805 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(118, 81, 255)` looks like.

```
.text, #text, p{  
    color:rgb(118, 81, 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(118, 81, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 81, 255) }
```

Border

The CSS property to change the border of an element to XYZ 28.4636, 16.9564, 96.3805 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(118, 81, 255) }
```


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

```
.border{ border-color:rgb(118, 81, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 81, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 81, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 81, 255);  
box-shadow:4px 4px 4px 4px rgb(118, 81,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4636, 16.9564, 96.3805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 81, 255) }
```

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

```
.background{ background-color: rgb(118, 81,  
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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