

Converting Colors

XYZ(28.8088, 18.9003, 96.7375)

Have a look what the booklet for
XYZ(28.8088, 18.9003, 96.7375)
contains.

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Color

**XYZ(28.8243, 18.8492,
96.7268)**

Conversions

Conversions Part 1

Format	Color
Hex	705FFF
RGB	112, 95, 255
RGB Percent	44%, 37%, 100%
CMY	0.5608, 0.6274, 0.0000
CMYK	0.56, 0.63, 0.00, 0.00
HSL	246°, 100%, 69%
HSV	246°, 63%, 100%
XYZ	28.8243, 18.8492, 96.7268
YIQ	118.3230, -41.2280, 53.3640

Conversions

Conversions Part 2

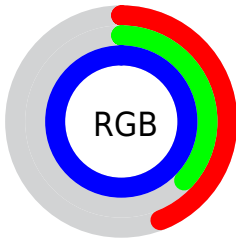
Format	Color
R _Y B	112, 95, 255
Decimal	7364607
CIE Lab	50.51, 49.24, -77.59
CIE LCh	51, 91.896, 302.402
Yxy	18.8492, 0.1996, 0.1305
Android (android.graphics.Color)	4285554687 (0xFF705FFF)
YUV	118.3230, 67.3818, -5.5453
Hunter-Lab	43.4157, 42.5314, -101.7026

Details

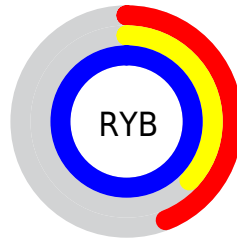
The XYZ color **28.8243, 18.8492, 96.7268** is a light color, and the websafe version is hex **6666FF**. The color can be described as light muted purple. A complement of this color would be **73.0833, 90.5222, 24.4472**, and the grayscale version is **17.1266, 18.0185, 19.6222**.

A 20% lighter version of the original color is **45.9393, 37.0861, 99.3448**, and **11.8575, 6.4576, 53.4448** is the 20% darker color. If you saturate the color by 10%, you get **24.3497, 13.6727, 95.9635**, and if you desaturate by 10%, it is **34.7858, 25.9076, 97.7750**.

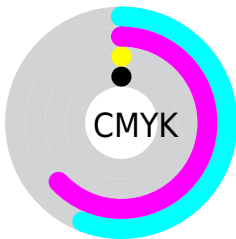
Distribution



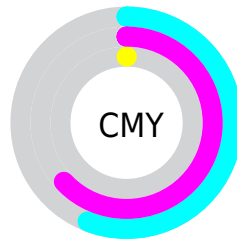
- Red (44%)
- Green (37%)
- Blue (100%)



- Red (44%)
- Yellow (37%)
- Blue (100%)



- Cyan (56%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (63%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8243, 18.8492, 96.7268 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 28.8243, 18.8492, 96.7268 by changing the saturation by 10% instead.

■ 28.8243, 18.8492,
96.7268

■ 28.8243, 18.8492,
96.7268

288.3942,
245.6150, 570.8034

■ 19.0916, 11.5614,
72.9682

■ 57.1973, 41.4791,
158.6641

■ 11.8409, 6.4458,
53.4583

■ 76.5683, 57.5900,
197.6800

■ 6.7068, 3.1180,
37.7785

■ 99.8827, 77.4107,
242.6187

■ 3.3241, 1.1936,
25.5104

■ 127.5060,
101.3256, 293.8987

■ 1.3274, 0.0565,
16.2352

159.8034,
129.7191, 351.9387

■ 0.2036, 0.0000,
9.5346

197.1403,

■ 0.0000, 0.0000,

162.9755, 417.1571

4.9899

239.8822,
201.4794, 489.9725

■ 0.0000, 0.0000,
2.1827

■ 0.0000, 0.0000,
0.6644

■ 28.8243, 18.8492,
96.7268

■ 28.8243, 18.8492,
96.7268

■ 24.3497, 13.6727,
95.9635

■ 34.7858, 25.9076,
97.7750

■ 21.2264, 10.1946,
95.4567

■ 42.3482, 35.0051,
99.1324

■ 19.2977, 8.1965,
95.1727

■ 51.6176, 46.2837,
100.8208

■ 18.5048, 7.4544,
95.0713

■ 62.6899, 59.8724,
102.8602

■ 75.6542, 75.8902,
105.2686

■ 90.5934, 94.4478,
108.0632

■ 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.



18.6475, 18.8492, 119.8275



28.8243, 18.8492, 96.7268



37.9321, 18.8492, 52.9175

Triad

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



28.8243, 18.8492, 96.7268



27.1408, 18.8492, 0.3948



5.6266, 18.8492, 22.6620

Complementary

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



28.8243, 18.8492, 96.7268



73.0833, 90.5222, 24.4472

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.



6.5740, 18.8492, 5.1015



28.8243, 18.8492, 96.7268



17.2031, 18.8492, 0.0000

Square

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



28.8243, 18.8492, 96.7268



36.7538, 18.8492, 3.8123



10.1785, 18.8492, 0.6641



6.9511, 18.8492, 59.9429

Rectangle

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



28.8243, 18.8492, 96.7268



40.9937, 18.8492, 27.7630



10.1785, 18.8492, 0.6641



5.6897, 18.8492, 14.6666

Sweetspot

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



28.8252, 18.8497, 96.7268



67.3189, 65.5804, 103.7179



53.6359, 71.3859, 105.5597



13.6471, 13.0971, 22.0587



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.



28.8252, 18.8497, 96.7268



23.5325, 12.7471, 95.8279



43.6281, 26.4809, 97.4196



17.1822, 17.4701, 22.7164



9.7267, 3.9248, 49.6795



1.0031, 0.4111, 4.8397

Inverse Universe

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



60.7639, 35.6171, 84.5561



58.0073, 30.8779, 81.2516



52.1237, 79.7172, 23.4663



18.7046, 18.2651, 22.3274



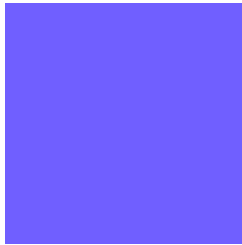
28.8920, 14.0461, 39.6774



2.8360, 1.3768, 3.9838

Previews

White Background



This preview shows how the XYZ color 28.8243, 18.8492, 96.7268 looks on a white background.

Color Contrast Check

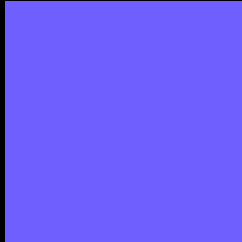
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8243, 18.8492, 96.7268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

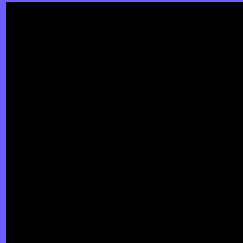
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.8243, 18.8492, 96.7268

Background



This preview shows how black text looks on a background with the XYZ color 28.8243, 18.8492, 96.7268.

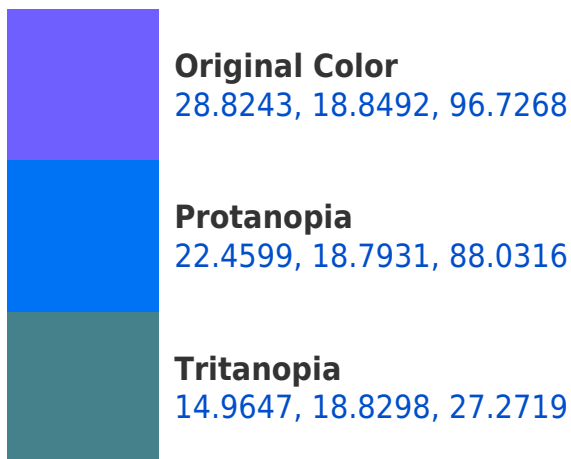


This preview shows how white text looks on a background with the XYZ color 28.8243, 18.8492,

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



Trichromacy



Original Color

28.8243, 18.8492, 96.7268



Protanomaly

23.2203, 17.9739, 91.0524



Tritanomaly

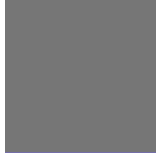
18.4481, 17.9901, 46.2162

Monochromacy



Original Color

28.8243, 18.8492, 96.7268



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

19.8463, 17.6920, 39.4147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8243, 18.8492, 96.7268 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(112, 95, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 95, 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(112, 95, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 95, 255) }
```

Border

The CSS property to change the border of an element to XYZ 28.8243, 18.8492, 96.7268 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(112, 95, 255) }
```

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

```
.border{ border-color:rgb(112, 95, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 95, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 95, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 95, 255); box-shadow:4px 4px 4px 4px rgb(112, 95, 255) }
```


Background

The CSS property to change the background color of an element to XYZ 28.8243, 18.8492, 96.7268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 95, 255) }
```

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

```
.background{ background-color: rgb(112, 95,  
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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