

Converting Colors

XYZ(40.0114, 21.2613,
156.4288)

Have a look what the booklet for
XYZ(40.0114, 21.2613, 156.4288)
contains.

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Color

**XYZ(28.6595, 16.7337,
96.3271)**

Conversions

Conversions Part 1

Format	Color
Hex	794EFF
RGB	121, 78, 255
RGB Percent	47%, 31%, 100%
CMY	0.5255, 0.6941, 0.0000
CMYK	0.53, 0.69, 0.00, 0.00
HSL	255°, 100%, 65%
HSV	255°, 69%, 100%
XYZ	28.6595, 16.7337, 96.3271
YIQ	111.0350, -31.1890, 64.1630

Conversions

Conversions Part 2

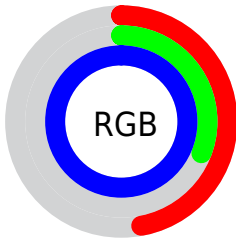
Format	Color
R _Y B	121, 78, 255
Decimal	7950079
CIE _{Lab}	47.92, 59.76, -81.78
CIE _{LCh}	48, 101.289, 306.153
Y _{xy}	16.7337, 0.2022, 0.1181
Android (android.graphics.Color)	4286140159 (0xFF794EFF)
Y _{UV}	111.0350, 70.9747, 8.7393
Hunter-Lab	40.9068, 53.4708, -110.9808

Details

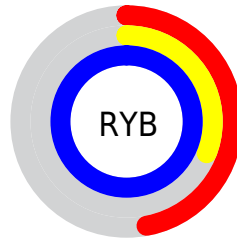
The XYZ color **28.6595, 16.7337, 96.3271** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **64.2846, 86.0661, 20.4319**, and the grayscale version is **14.9276, 15.7050, 17.1027**.

A 20% lighter version of the original color is **45.5611, 33.2525, 98.6248**, and **11.7628, 5.4481, 53.2549** is the 20% darker color. If you saturate the color by 10%, you get **24.7462, 12.5282, 95.7217**, and if you desaturate by 10%, it is **33.8177, 22.6226, 97.1920**.

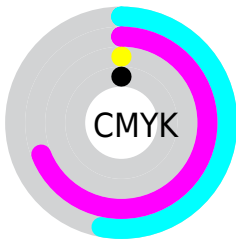
Distribution



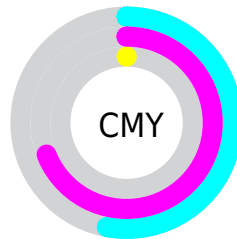
- Red (47%)
- Green (31%)
- Blue (100%)



- Red (47%)
- Yellow (31%)
- Blue (100%)



- Cyan (53%)
- Magenta (69%)
- Yellow (0%)
- Black (0%)





- Cyan (53%)
- Magenta (69%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6595, 16.7337, 96.3271 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 28.6595, 16.7337, 96.3271 by changing the saturation by 10% instead.

 28.6595, 16.7337,
96.3271


 28.6595, 16.7337,
96.3271


287.6282,
233.6331, 569.4974


 18.9664, 10.0448,
72.6370


 56.9370, 37.8673,
158.1081


 11.7498, 5.4287,
53.1892


 76.2520, 53.0809,
197.0361


 6.6446, 2.5009,
37.5651


 99.5051, 71.9048,
241.8805

 3.2852, 0.8771,
25.3461

 127.0616, 94.7234,
293.0598

 1.3063, 0.0000,
16.1137

 159.2867,
121.9211, 350.9927

 0.1879, 0.0000,
9.4494

196.5460,

 0.0000, 0.0000,

153.8824, 416.0975

4.9347

239.2047,
190.9916, 488.7929

■ 0.0000, 0.0000,
2.1509

■ 0.0000, 0.0000,
0.6458

■ 28.6595, 16.7337,
96.3271

■ 28.6595, 16.7337,
96.3271

■ 24.7462, 12.5282,
95.7217

■ 33.8177, 22.6226,
97.1920

■ 21.9563, 9.8156,
95.3451

■ 40.3204, 30.3543,
98.3416

■ 20.1222, 8.3124,
95.1516

■ 48.2598, 40.0705,
99.7985

■ 20.0340, 8.2428,
95.1428

■ 57.7186, 51.8984,
101.5830

■ 68.7732, 65.9546,
103.7135

■ 81.4945, 82.3471,
106.2071

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.



17.8602, 16.7337, 127.7040



28.6595, 16.7337, 96.3271



37.9470, 16.7337, 47.0104

Triad

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



28.6595, 16.7337, 96.3271



24.1025, 16.7337, 0.0000



4.0628, 16.7337, 24.1529

Complementary

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



28.6595, 16.7337, 96.3271



64.2846, 86.0661, 20.4319

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.



4.6513, 16.7337, 4.5222



28.6595, 16.7337, 96.3271



14.0978, 16.7337, 0.0000

Square

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



28.6595, 16.7337, 96.3271



34.6878, 16.7337, 1.7483



7.6388, 16.7337, 0.0588



5.5299, 16.7337, 66.8289

Rectangle

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



28.6595, 16.7337, 96.3271



40.6101, 16.7337, 21.8022



7.6388, 16.7337, 0.0588



4.0381, 16.7337, 15.0537

Sweetspot

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



28.6604, 16.7341, 96.3272



66.9081, 63.5691, 103.3514



45.1625, 56.7811, 103.1873



13.6482, 12.7483, 21.9913



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.



28.6604, 16.7341, 96.3272



23.6227, 11.3942, 95.5620



46.7306, 26.0496, 97.1729



17.4163, 17.5908, 22.7274



10.5795, 4.3644, 49.7194



1.1234, 0.4730, 4.8454

Inverse Universe

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



55.8472, 31.4619, 65.4123



52.9648, 27.3526, 59.3476



45.6218, 76.4451, 19.5585



18.5929, 18.2205, 21.7393



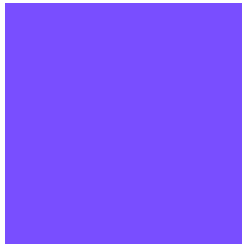
26.6428, 13.1464, 27.8330



2.6370, 1.2972, 2.9360

Previews

White Background



This preview shows how the XYZ color 28.6595, 16.7337, 96.3271 looks on a white background.

Color Contrast Check

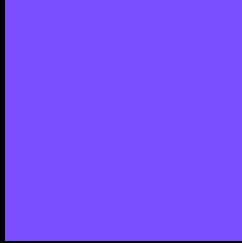
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6595, 16.7337, 96.3271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

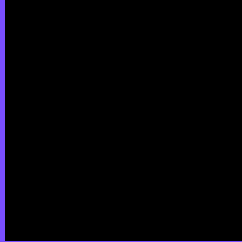
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.6595, 16.7337, 96.3271

Background



This preview shows how black text looks on a background with the XYZ color 28.6595, 16.7337, 96.3271.



This preview shows how white text looks on a background with the XYZ color 28.6595, 16.7337,

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

28.6595, 16.7337, 96.3271

Protanopia

19.8924, 16.7068, 77.7776

Deuteranopia

16.5542, 16.6143, 56.3672



Tritanopia

13.9526, 16.5280, 23.2237

Trichromacy



Original Color

28.6595, 16.7337, 96.3271



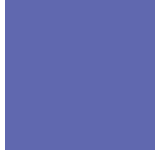
Protanomaly

21.1346, 15.5621, 84.3279



Deuteranomaly

18.5763, 15.1527, 68.9635



Tritanomaly

17.5120, 15.4826, 42.6229

Monochromacy



Original Color

28.6595, 16.7337, 96.3271



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

18.1429, 15.2129, 36.6305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6595, 16.7337, 96.3271 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(121, 78, 255)` looks like.

```
.text, #text, p{  
    color:rgb(121, 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(121, 78, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 78, 255) }
```

Border

The CSS property to change the border of an element to XYZ 28.6595, 16.7337, 96.3271 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(121, 78, 255) }
```


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

```
.border{ border-color:rgb(121, 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(121, 78, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 78, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 78, 255);  
box-shadow:4px 4px 4px 4px rgb(121, 78,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6595, 16.7337, 96.3271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 78, 255) }
```

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

```
.background{ background-color: rgb(121, 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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