

Converting Colors

XYZ(27.7192, 16.0871, 95.8748)

Have a look what the booklet for
XYZ(27.7192, 16.0871, 95.8748)
contains.

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Color

**XYZ(27.7047, 16.0337,
96.2424)**

Conversions

Conversions Part 1

Format	Color
Hex	734CFF
RGB	115, 76, 255
RGB Percent	45%, 30%, 100%
CMY	0.5490, 0.7020, 0.0000
CMYK	0.55, 0.70, 0.00, 0.00
HSL	253°, 100%, 65%
HSV	253°, 70%, 100%
XYZ	27.7047, 16.0337, 96.2424
YIQ	108.0670, -34.2150, 63.9370

Conversions

Conversions Part 2

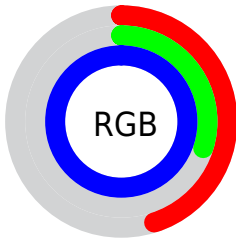
Format	Color
R _Y B	115, 76, 255
Decimal	7556351
CIE Lab	47.02, 59.89, -83.29
CIE LCh	47, 102.582, 305.718
Yxy	16.0337, 0.1979, 0.1145
Android (android.graphics.Color)	4285746431 (0xFF734CFF)
YUV	108.0670, 72.4380, 6.0802
Hunter-Lab	40.0421, 53.4285, -114.4758

Details

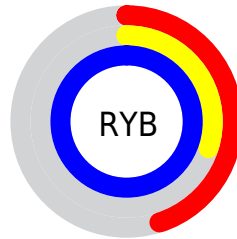
The XYZ color **27.7047, 16.0337, 96.2424** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **65.3810, 86.6395, 20.1144**, and the grayscale version is **14.0837, 14.8171, 16.1359**.

A 20% lighter version of the original color is **44.1293, 32.1233, 98.4823**, and **11.2414, 5.1158, 53.2183** is the 20% darker color. If you saturate the color by 10%, you get **23.9380, 11.9804, 95.6585**, and if you desaturate by 10%, it is **32.7359, 21.7713, 97.0847**.

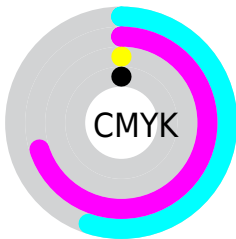
Distribution



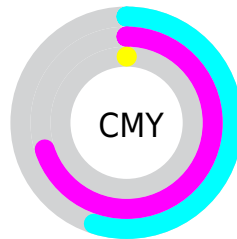
- Red (45%)
- Green (30%)
- Blue (100%)



- Red (45%)
- Yellow (30%)
- Blue (100%)



- Cyan (55%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)





- Cyan (55%)
- Magenta (70%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7047, 16.0337, 96.2424 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 27.7047, 16.0337, 96.2424 by changing the saturation by 10% instead.


 27.7047, 16.0337,
96.2424


 27.7047, 16.0337,
96.2424


283.1589,
229.5405, 569.2204

 18.2425, 9.5480,
72.5669


 55.4246, 36.6567,
157.9902


 11.2250, 5.1003,
53.1322


 74.4130, 51.5628,
196.8996


 6.2868, 2.3062,
37.5199


 97.3075, 70.0445,
241.7240

 3.0625, 0.7770,
25.3113

 124.4734, 92.4861,
292.8820

 1.1869, 0.0000,
16.0880

 156.2762,
119.2722, 350.7921

 0.0960, 0.0000,
9.4314

193.0811,

 0.0000, 0.0000,

150.7870, 415.8728

4.9230

235.2536,
187.4150, 488.5427

■ 0.0000, 0.0000,
2.1442

■ 0.0000, 0.0000,
0.6419

■ 27.7047, 16.0337,
96.2424

■ 27.7047, 16.0337,
96.2424

■ 23.9380, 11.9804,
95.6585

■ 32.7359, 21.7713,
97.0847

■ 21.3087, 9.4160,
95.3021

■ 39.1363, 29.3565,
98.2114

■ 19.6570, 8.0484,
95.1252

■ 47.0018, 38.9338,
99.6455

■ 56.4188, 50.6331,
101.4073

■ 67.4668, 64.5730,
103.5157

■ 80.2195, 80.8633,
105.9879

94.7464, 99.6065,
108.8401

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.



17.0252, 16.0337, 127.3557



27.7047, 16.0337, 96.2424



37.0172, 16.0337, 46.7094

Triad

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



27.7047, 16.0337, 96.2424



23.4996, 16.0337, 0.0000



3.7068, 16.0337, 22.8622

Complementary

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



27.7047, 16.0337, 96.2424



65.3810, 86.6395, 20.1144

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.



4.2974, 16.0337, 3.9967



27.7047, 16.0337, 96.2424



13.5833, 16.0337, 0.0000

Square

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



27.7047, 16.0337, 96.2424



33.9952, 16.0337, 1.5784



7.2189, 16.0337, 0.0000



5.0803, 16.0337, 65.1593

Rectangle

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



27.7047, 16.0337, 96.2424



39.7551, 16.0337, 21.4168



7.2189, 16.0337, 0.0000



3.6921, 16.0337, 14.0198

Sweetspot

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



27.7055, 16.0341, 96.2424



66.5170, 63.3674, 103.3331



45.6418, 57.9792, 103.3933



13.5566, 12.7011, 21.9870



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.



27.7055, 16.0341, 96.2424



22.8114, 10.8414, 95.4981



45.6139, 25.2661, 97.0805



17.3730, 17.5685, 22.7254



10.3732, 4.2581, 49.7097



1.0978, 0.4598, 4.8442

Inverse Universe

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



56.2180, 31.3862, 68.0553



53.4508, 27.4020, 62.3539



45.7746, 76.5320, 19.1969



18.6132, 18.2286, 21.8463



27.0194, 13.2971, 29.8165



2.6708, 1.3107, 3.1137

Previews

White Background



This preview shows how the XYZ color 27.7047, 16.0337, 96.2424 looks on a white background.

Color Contrast Check

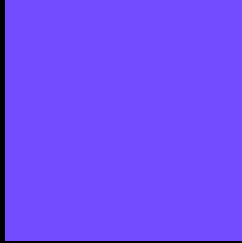
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7047, 16.0337, 96.2424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

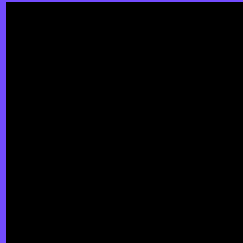
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.7047, 16.0337, 96.2424

Background



This preview shows how black text looks on a background with the XYZ color 27.7047, 16.0337, 96.2424.



This preview shows how white text looks on a background with the XYZ color 27.7047, 16.0337,

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

27.7047, 16.0337, 96.2424

Protanopia

18.9852, 16.0064, 74.0404

Deuteranopia

15.7549, 15.9297, 53.2833



Tritanopia

12.9005, 15.8175, 22.7952

Trichromacy



Original Color

27.7047, 16.0337, 96.2424



Protanomaly

20.4238, 14.9724, 81.9343



Deuteranomaly

17.9067, 14.5645, 66.8332



Tritanomaly

16.3280, 14.7349, 42.0279

Monochromacy



Original Color

27.7047, 16.0337, 96.2424



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

17.1714, 14.3185, 35.5769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7047, 16.0337, 96.2424 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(115, 76, 255)` looks like.

```
.text, #text, p{  
  color:rgb(115, 76, 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(115, 76, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 76, 255) }
```

Border

The CSS property to change the border of an element to XYZ 27.7047, 16.0337, 96.2424 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(115, 76, 255) }
```


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

```
.border{ border-color:rgb(115, 76, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 76, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 76, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 76, 255);  
box-shadow:4px 4px 4px 4px rgb(115, 76,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7047, 16.0337, 96.2424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 76, 255) }
```

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

```
.background{ background-color: rgb(115, 76,  
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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