

Converting Colors

XYZ(27.6705, 16.6034, 96.3541)

Have a look what the booklet for
XYZ(27.6705, 16.6034, 96.3541)
contains.

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Color

**XYZ(27.7494, 16.6993,
96.3685)**

Conversions

Conversions Part 1

Format	Color
Hex	7052FF
RGB	112, 82, 255
RGB Percent	44%, 32%, 100%
CMY	0.5608, 0.6784, 0.0000
CMYK	0.56, 0.68, 0.00, 0.00
HSL	250°, 100%, 66%
HSV	250°, 68%, 100%
XYZ	27.7494, 16.6993, 96.3685
YIQ	110.6920, -37.6530, 60.1630

Conversions

Conversions Part 2

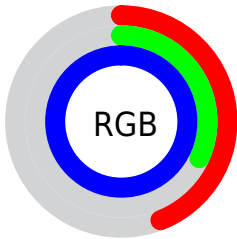
Format	Color
R _Y B	112, 82, 255
Decimal	7361279
CIE Lab	47.88, 56.36, -81.89
CIE LCh	48, 99.407, 304.537
Yxy	16.6993, 0.1971, 0.1186
Android (android.graphics.Color)	4285551359 (0xFF7052FF)
YUV	110.6920, 71.1438, 1.1471
Hunter-Lab	40.8648, 49.6978, -111.2141

Details

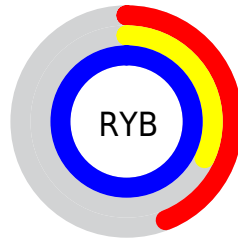
The XYZ color **27.7494, 16.6993, 96.3685** is a light color, and the websafe version is hex **6666FF**. The color can be described as light muted purple. A complement of this color would be **68.3317, 88.1354, 21.3929**, and the grayscale version is **14.8299, 15.6022, 16.9908**.

A 20% lighter version of the original color is **44.2543, 33.3842, 98.7191**, and **11.2542, 5.4043, 53.2733** is the 20% darker color. If you saturate the color by 10%, you get **23.7960, 12.3176, 95.7311**, and if you desaturate by 10%, it is **33.0461, 22.8332, 97.2733**.

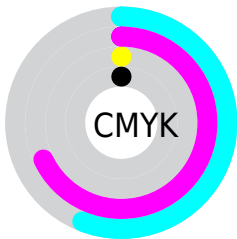
Distribution



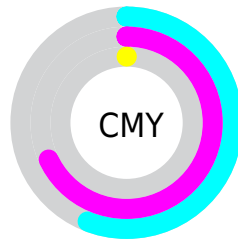
- Red (44%)
- Green (32%)
- Blue (100%)



- Red (44%)
- Yellow (32%)
- Blue (100%)



- Cyan (56%)
- Magenta (68%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (68%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7494, 16.6993, 96.3685 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 27.7494, 16.6993, 96.3685 by changing the saturation by 10% instead.

■ 27.7494, 16.6993,
96.3685

■ 27.7494, 16.6993,
96.3685

283.3694,
233.4335, 569.6327

■ 18.2763, 10.0203,
72.6713

■ 55.4955, 37.8080,
158.1657

■ 11.2494, 5.4124,
53.2171

■ 74.4993, 53.0066,
197.1028

■ 6.3034, 2.4912,
37.5872

■ 97.4107, 71.8138,
241.9570

■ 3.0728, 0.8722,
25.3631

■ 124.5951, 94.6141,
293.1468

■ 1.1924, 0.0000,
16.1263

■ 156.4178,
121.7918, 351.0907

■ 0.1004, 0.0000,
9.4583

193.2441,

■ 0.0000, 0.0000,

153.7313, 416.2073

4.9404

235.4396,
190.8171, 488.9151

■ 0.0000, 0.0000,
2.1542

■ 0.0000, 0.0000,
0.6478

■ 27.7494, 16.6993,
96.3685

■ 27.7494, 16.6993,
96.3685

■ 23.7960, 12.3176,
95.7311

■ 33.0461, 22.8332,
97.2733

■ 21.0552, 9.4966,
95.3310

■ 39.7945, 30.8807,
98.4709

■ 19.3656, 7.9868,
95.1287

■ 48.0948, 40.9859,
99.9839

■ 19.0987, 7.7606,
95.0991

■ 58.0372, 53.2787,
101.8327

■ 69.7050, 67.8781,
104.0357

■ 83.1755, 84.8945,
106.6102

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.



17.2712, 16.6993, 124.6668



27.7494, 16.6993, 96.3685



37.0024, 16.6993, 48.6266

Triad

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



27.7494, 16.6993, 96.3685



24.4698, 16.6993, 0.0000



4.1627, 16.6993, 22.3616

Complementary

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



27.7494, 16.6993, 96.3685



68.3317, 88.1354, 21.3929

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.



4.8606, 16.6993, 4.1668



27.7494, 16.6993, 96.3685



14.5509, 16.6993, 0.0000

Square

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



27.7494, 16.6993, 96.3685



34.6628, 16.6993, 2.1169



7.9847, 16.6993, 0.0463



5.5049, 16.6993, 62.8143

Rectangle

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



27.7494, 16.6993, 96.3685



39.8723, 16.6993, 23.2846



7.9847, 16.6993, 0.0463



4.1726, 16.6993, 13.8865

Sweetspot

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



27.7503, 16.6997, 96.3685



67.0389, 64.5289, 103.5297



48.7713, 63.4971, 104.2934



13.6320, 12.9132, 22.0240



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.



27.7503, 16.6997, 96.3685



22.8065, 11.2685, 95.5808



44.1805, 25.1698, 97.1374



17.2967, 17.5291, 22.7218



10.0643, 4.0988, 49.6953



1.0571, 0.4389, 4.8423

Inverse Universe

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



57.8467, 32.7303, 74.4970



55.1244, 28.5345, 69.7393



48.0420, 77.6757, 20.4433



18.6494, 18.2431, 22.0371



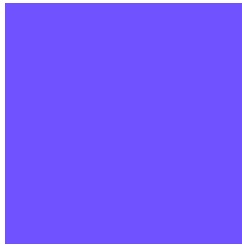
27.7269, 13.5801, 33.5421



2.7337, 1.3358, 3.4449

Previews

White Background



This preview shows how the XYZ color 27.7494, 16.6993, 96.3685 looks on a white background.

Color Contrast Check

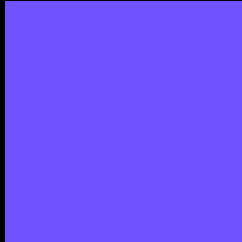
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7494, 16.6993, 96.3685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

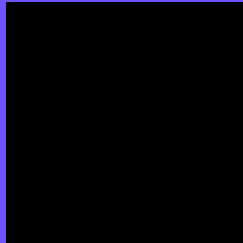
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.7494, 16.6993, 96.3685

Background



This preview shows how black text looks on a background with the XYZ color 27.7494, 16.6993, 96.3685.



This preview shows how white text looks on a background with the XYZ color 27.7494, 16.6993,

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

27.7494, 16.6993, 96.3685

Protanopia

19.7516, 16.6504, 77.0357

Deuteranopia

16.4384, 16.5680, 55.7576



Tritanopia

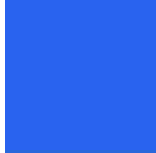
13.1809, 16.4717, 23.9574

Trichromacy



Original Color

27.7494, 16.6993, 96.3685



Protanomaly

20.9563, 15.6271, 83.5732



Deuteranomaly

18.6509, 15.4865, 69.0240



Tritanomaly

16.6614, 15.4890, 43.1858

Monochromacy



Original Color

27.7494, 16.6993, 96.3685



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

17.7236, 15.1382, 36.6382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7494, 16.6993, 96.3685 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, 82, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 82, 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, 82, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 82, 255) }
```

Border

The CSS property to change the border of an element to XYZ 27.7494, 16.6993, 96.3685 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, 82, 255) }
```


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

```
.border{ border-color:rgb(112, 82, 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, 82, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 82, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 82, 255); box-shadow:4px 4px 4px 4px rgb(112, 82, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7494, 16.6993, 96.3685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 82, 255) }
```

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

```
.background{ background-color: rgb(112, 82,  
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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