

Converting Colors

XYZ(33.0414, 19.5744,
122.8596)

Have a look what the booklet for
XYZ(33.0414, 19.5744, 122.8596)
contains.

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Color

**XYZ(27.9701, 17.5144,
96.5142)**

Conversions

Conversions Part 1

Format	Color
Hex	6E58FF
RGB	110, 88, 255
RGB Percent	43%, 35%, 100%
CMY	0.5686, 0.6549, 0.0000
CMYK	0.57, 0.65, 0.00, 0.00
HSL	248°, 100%, 67%
HSV	248°, 65%, 100%
XYZ	27.9701, 17.5144, 96.5142
YIQ	113.6160, -40.4950, 56.6010

Conversions

Conversions Part 2

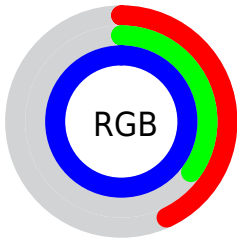
Format	Color
R _Y B	110, 88, 255
Decimal	7231743
CIE Lab	48.90, 52.83, -80.22
CIE LCh	49, 96.052, 303.365
Yxy	17.5144, 0.1970, 0.1233
Android (android.graphics.Color)	4285421823 (0xFF6E58FF)
YUV	113.6160, 69.7023, -3.1712
Hunter-Lab	41.8502, 46.0605, -107.4384

Details

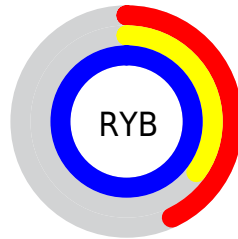
The XYZ color **27.9701, 17.5144, 96.5142** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **71.1232, 89.5469, 22.7681**, and the grayscale version is **15.6875, 16.5044, 17.9733**.

A 20% lighter version of the original color is **44.5162, 34.5695, 98.9341**, and **11.4019, 5.8401, 53.3496** is the 20% darker color. If you saturate the color by 10%, you get **23.8119, 12.7881, 95.8211**, and if you desaturate by 10%, it is **33.5497, 24.0594, 97.4834**.

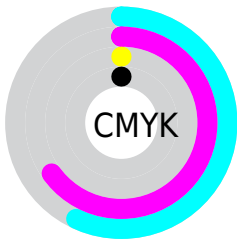
Distribution



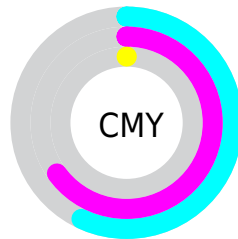
- Red (43%)
- Green (35%)
- Blue (100%)



- Red (43%)
- Yellow (35%)
- Blue (100%)



- Cyan (57%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)



- Cyan (57%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9701, 17.5144, 96.5142 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 27.9701, 17.5144, 96.5142 by changing the saturation by 10% instead.

■ 27.9701, 17.5144,
96.5142

■ 27.9701, 17.5144,
96.5142

284.4067,
238.1195, 570.1089

■ 18.4435, 10.6019,
72.7921

■ 55.8457, 39.2081,
158.3684

■ 11.3704, 5.7998,
53.3152

■ 74.9253, 54.7581,
197.3375

■ 6.3857, 2.7238,
37.6650

■ 97.9200, 73.9561,
242.2261

■ 3.1239, 0.9893,
25.4230

■ 125.1951, 97.1865,
293.4526

■ 1.2196, 0.0000,
16.1706

■ 157.1160,
124.8336, 351.4356

■ 0.1218, 0.0000,
9.4893

194.0480,

■ 0.0000, 0.0000,

157.2819, 416.5936

4.9605

236.3564,
194.9157, 489.3452

■ 0.0000, 0.0000,
2.1658

■ 0.0000, 0.0000,
0.6545

■ 27.9701, 17.5144,
96.5142

■ 27.9701, 17.5144,
96.5142

■ 23.8119, 12.7881,
95.8211

■ 33.5497, 24.0594,
97.4834

■ 20.9400, 9.6919,
95.3748

■ 40.6635, 32.5832,
98.7537

■ 19.1966, 7.9974,
95.1396

■ 49.4160, 43.2299,
100.3474

■ 18.6967, 7.5534,
95.0803

■ 59.9014, 56.1294,
102.2847

■ 72.2069, 71.4015,
104.5839

■ 86.4137, 89.1573,
107.2623

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.



17.6737, 17.5144, 122.1002



27.9701, 17.5144, 96.5142



37.1598, 17.5144, 50.6444

Triad

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



27.9701, 17.5144, 96.5142



25.5781, 17.5144, 0.0000



4.7262, 17.5144, 22.1002

Complementary

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



27.9701, 17.5144, 96.5142



71.1232, 89.5469, 22.7681

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.



5.5424, 17.5144, 4.4399



27.9701, 17.5144, 96.5142



15.6606, 17.5144, 0.0000

Square

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



27.9701, 17.5144, 96.5142



35.4672, 17.5144, 2.8059



8.8852, 17.5144, 0.2861



6.0400, 17.5144, 60.8341

Rectangle

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



27.9701, 17.5144, 96.5142



40.1484, 17.5144, 25.3259



8.8852, 17.5144, 0.2861



4.7631, 17.5144, 13.9401

Sweetspot

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



27.9710, 17.5148, 96.5142



66.4269, 64.2134, 103.5011



51.9309, 69.0076, 105.1905



13.4882, 12.8391, 22.0172



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.



27.9710, 17.5148, 96.5142



22.6648, 11.5264, 95.6380



43.0213, 25.2735, 97.2186



17.2255, 17.4925, 22.7185



9.8374, 3.9819, 49.6847



1.0235, 0.4215, 4.8407

Inverse Universe

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



59.4366, 34.1221, 80.5387



56.6048, 29.4832, 76.4361



50.4734, 78.9016, 21.8017



18.6836, 18.2567, 22.2169



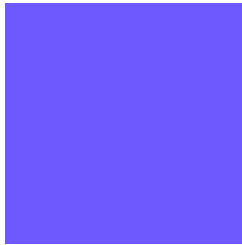
28.4360, 13.8637, 37.2761



2.7961, 1.3608, 3.7737

Previews

White Background



This preview shows how the XYZ color 27.9701, 17.5144, 96.5142 looks on a white background.

Color Contrast Check

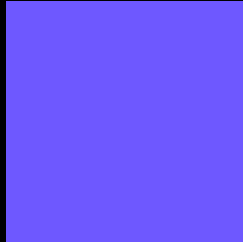
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9701, 17.5144, 96.5142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

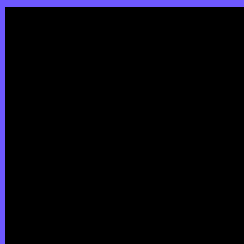
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.9701, 17.5144, 96.5142

Background



This preview shows how black text looks on a background with the XYZ color 27.9701, 17.5144, 96.5142.



This preview shows how white text looks on a background with the XYZ color 27.9701, 17.5144,

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

27.9701, 17.5144, 96.5142

Protanopia

20.8248, 17.4250, 81.6227

Deuteranopia

17.3763, 17.5054, 58.9630



Tritanopia

13.7567, 17.4733, 25.5693

Trichromacy



Original Color

27.9701, 17.5144, 96.5142



Protanomaly

21.9030, 16.6227, 86.8481



Deuteranomaly

19.4225, 16.4502, 71.2588



Tritanomaly

17.2391, 16.5485, 44.9334

Monochromacy



Original Color

27.9701, 17.5144, 96.5142



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

18.6532, 16.3305, 37.7663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9701, 17.5144, 96.5142 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(110, 88, 255)` looks like.

```
.text, #text, p{  
    color:rgb(110, 88, 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(110, 88, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 88, 255) }
```

Border

The CSS property to change the border of an element to XYZ 27.9701, 17.5144, 96.5142 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(110, 88, 255) }
```


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

```
.border{ border-color:rgb(110, 88, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 88, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 88, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 88, 255);  
box-shadow:4px 4px 4px 4px rgb(110, 88,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9701, 17.5144, 96.5142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 88, 255) }
```

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

```
.background{ background-color: rgb(110, 88,  
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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