

Converting Colors

XYZ(30.1126, 18.7455,
107.7778)

Have a look what the booklet for
XYZ(30.1126, 18.7455, 107.7778)
contains.

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Color

**XYZ(27.9754, 17.8903,
96.5865)**

Conversions

Conversions Part 1

Format	Color
Hex	6C5BFF
RGB	108, 91, 255
RGB Percent	42%, 36%, 100%
CMY	0.5764, 0.6431, 0.0000
CMYK	0.58, 0.64, 0.00, 0.00
HSL	246°, 100%, 68%
HSV	246°, 64%, 100%
XYZ	27.9754, 17.8903, 96.5865
YIQ	114.7790, -42.5120, 54.6080

Conversions

Conversions Part 2

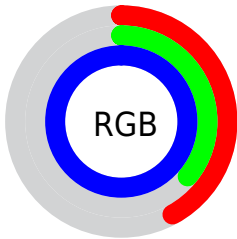
Format	Color
R _{YB}	108, 91, 255
Decimal	7101439
CIE Lab	49.36, 50.86, -79.47
CIE LCh	49, 94.354, 302.617
Yxy	17.8903, 0.1964, 0.1256
Android (android.graphics.Color)	4285291519 (0xFF6C5BFF)
YUV	114.7790, 69.1290, -5.9452
Hunter-Lab	42.2969, 44.0412, -105.7829

Details

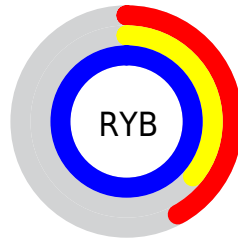
The XYZ color **27.9754, 17.8903, 96.5865** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **72.9057, 90.4512, 23.5138**, and the grayscale version is **16.0366, 16.8718, 18.3734**.

A 20% lighter version of the original color is **44.5176, 35.2239, 99.0603**, and **11.3679, 5.9786, 53.3781** is the 20% darker color. If you saturate the color by 10%, you get **23.7292, 12.9966, 95.8657**, and if you desaturate by 10%, it is **33.6920, 24.6407, 97.5881**.

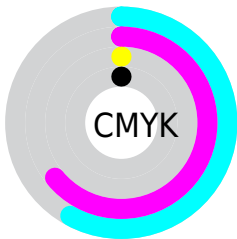
Distribution



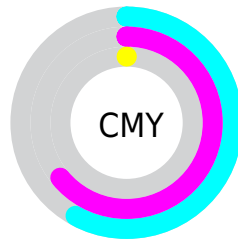
- Red (42%)
- Green (36%)
- Blue (100%)



- Red (42%)
- Yellow (36%)
- Blue (100%)



- Cyan (58%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9754, 17.8903, 96.5865 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 27.9754, 17.8903, 96.5865 by changing the saturation by 10% instead.

■ 27.9754, 17.8903,
96.5865

■ 27.9754, 17.8903,
96.5865

284.4316,
240.2520, 570.3452

■ 18.4475, 10.8713,
72.8520

■ 55.8541, 39.8503,
158.4690

■ 11.3734, 5.9803,
53.3638

■ 74.9356, 55.5601,
197.4540

■ 6.3877, 2.8331,
37.7036

■ 97.9322, 74.9355,
242.3596

■ 3.1251, 1.0452,
25.4527

■ 125.2095, 98.3611,
293.6043

■ 1.2203, 0.0000,
16.1925

157.1327,
126.2211, 351.6067

■ 0.1223, 0.0000,
9.5047

194.0672,

■ 0.0000, 0.0000,

158.9000, 416.7853

4.9705

236.3784,
196.7822, 489.5586

■ 0.0000, 0.0000,
2.1715

■ 0.0000, 0.0000,
0.6579

■ 27.9754, 17.8903,
96.5865

■ 27.9754, 17.8903,
96.5865

■ 23.7292, 12.9966,
95.8657

■ 33.6920, 24.6407,
97.5881

■ 20.8140, 9.7713,
95.3968

■ 40.9958, 33.4084,
98.8955

■ 19.0673, 7.9877,
95.1446

■ 49.9950, 44.3381,
100.5308

■ 18.4874, 7.4455,
95.0705

■ 60.7872, 57.5608,
102.5143

■ 73.4628, 73.1971,
104.8643

■ 88.1059, 91.3590,
107.5981

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.



17.7963, 17.8903, 120.6339



27.9754, 17.8903, 96.5865



37.1327, 17.8903, 51.7616

Triad

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



27.9754, 17.8903, 96.5865



26.1344, 17.8903, 0.0927



5.0106, 17.8903, 21.8001

Complementary

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



27.9754, 17.8903, 96.5865



72.9057, 90.4512, 23.5138

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.



5.8982, 17.8903, 4.5292



27.9754, 17.8903, 96.5865



16.2360, 17.8903, 0.0000

Square

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



27.9754, 17.8903, 96.5865



35.8351, 17.8903, 3.2180



9.3577, 17.8903, 0.3939



6.2918, 17.8903, 59.5456

Rectangle

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



27.9754, 17.8903, 96.5865



40.1969, 17.8903, 26.4675



9.3577, 17.8903, 0.3939



5.0657, 17.8903, 13.8444

Sweetspot

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



27.9763, 17.8907, 96.5865



67.2828, 65.5618, 103.7162



53.1139, 70.9432, 105.5017



13.6386, 13.0927, 22.0583



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.



27.9763, 17.8907, 96.5865



22.8215, 11.9749, 95.7163



42.8767, 25.5722, 97.2838



17.1778, 17.4679, 22.7162



9.7166, 3.9196, 49.6790



1.0011, 0.4100, 4.8396

Inverse Universe

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



60.4126, 34.9148, 84.4384



57.7292, 30.3293, 81.1347



51.4750, 79.4032, 22.5108



18.7067, 18.2660, 22.3386



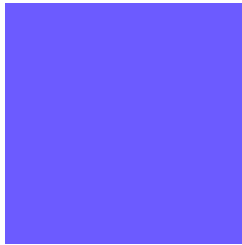
28.9393, 14.0650, 39.9262



2.8401, 1.3784, 4.0055

Previews

White Background



This preview shows how the XYZ color 27.9754, 17.8903, 96.5865 looks on a white background.

Color Contrast Check

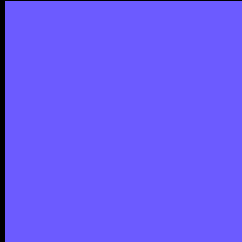
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9754, 17.8903, 96.5865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

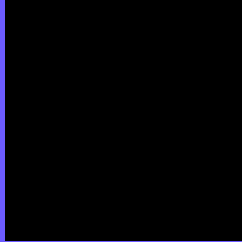
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.9754, 17.8903, 96.5865

Background



This preview shows how black text looks on a background with the XYZ color 27.9754, 17.8903, 96.5865.



This preview shows how white text looks on a background with the XYZ color 27.9754, 17.8903,

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

27.9754, 17.8903, 96.5865

Protanopia

21.2268, 17.7614, 83.1984

Deuteranopia

17.7359, 17.8407, 60.2664



Tritanopia

13.8397, 17.6885, 26.3517

Trichromacy



Original Color

27.9754, 17.8903, 96.5865



Protanomaly

22.1161, 16.8636, 87.6773



Deuteranomaly

19.6246, 16.6963, 72.0004



Tritanomaly

17.2039, 16.6833, 45.4935

Monochromacy



Original Color

27.9754, 17.8903, 96.5865



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

18.7191, 16.5060, 38.2758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9754, 17.8903, 96.5865 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(108, 91, 255)` looks like.

```
.text, #text, p{  
    color:rgb(108, 91, 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(108, 91, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 91, 255) }
```

Border

The CSS property to change the border of an element to XYZ 27.9754, 17.8903, 96.5865 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(108, 91, 255) }
```


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

```
.border{ border-color:rgb(108, 91, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 91, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 91, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 91, 255);  
box-shadow:4px 4px 4px 4px rgb(108, 91,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9754, 17.8903, 96.5865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 91, 255) }
```

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

```
.background{ background-color: rgb(108, 91,  
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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