

Converting Colors

XYZ(25.8269, 17.8117, 82.1979)

Have a look what the booklet for
XYZ(25.8269, 17.8117, 82.1979)
contains.

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Color

**XYZ(25.7756, 17.7314,
82.1847)**

Conversions

Conversions Part 1

Format	Color
Hex	6D60ED
RGB	109, 96, 237
RGB Percent	43%, 38%, 93%
CMY	0.5725, 0.6235, 0.0706
CMYK	0.54, 0.59, 0.00, 0.07
HSL	246°, 80%, 65%
HSV	246°, 59%, 93%
XYZ	25.7756, 17.7314, 82.1847
YIQ	115.9610, -37.5130, 46.6070

Conversions

Conversions Part 2

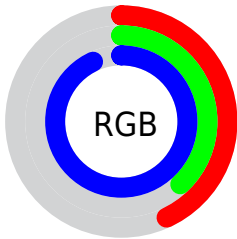
Format	Color
R _{YB}	109, 96, 237
Decimal	7168237
CIE _{Lab}	49.17, 42.74, -69.74
CIE _{LCh}	49, 81.793, 301.502
Y _{xy}	17.7314, 0.2051, 0.1411
Android (android.graphics.Color)	4285358317 (0xFF6D60ED)
YUV	115.9610, 59.6722, -6.1048
Hunter-Lab	42.1087, 35.5734, -86.2419

Details

The XYZ color **25.7756, 17.7314, 82.1847** is a dark color, and the websafe version is hex **6666FF**. A complement of this color would be **63.1347, 77.2597, 22.6516**, and the grayscale version is **16.4207, 17.2759, 18.8134**.

A 20% lighter version of the original color is **44.8459, 36.5225, 99.2936**, and **10.2116, 5.9430, 43.7889** is the 20% darker color. If you saturate the color by 10%, you get **21.5996, 12.8382, 81.4607**, and if you desaturate by 10%, it is **31.2526, 24.2626, 83.1571**.

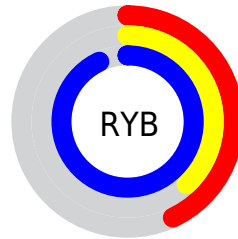
Distribution



Red (43%)

Green (38%)

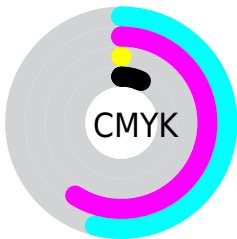
Blue (93%)



Red (43%)

Yellow (38%)

Blue (93%)

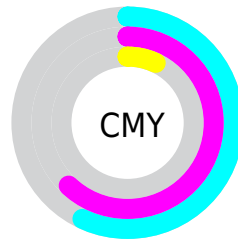


Cyan (54%)

Magenta (59%)

Yellow (0%)

Black (7%)



Cyan (57%)

Magenta (62%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7756, 17.7314, 82.1847 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 25.7756, 17.7314, 82.1847 by changing the saturation by 10% instead.

■ 25.7756, 17.7314,
82.1847

■ 25.7756, 17.7314,
82.1847

273.9557,
239.3527, 522.1650

■ 16.7876, 10.7573,
60.9811

■ 52.3466, 39.5791,
138.2720

■ 10.1776, 5.9039,
43.7794

■ 70.6603, 55.2215,
173.9927

■ 5.5800, 2.7867,
30.1612

■ 92.8134, 74.5222,
215.3896

■ 2.6296, 1.0214,
19.7079

■ 119.1711, 97.8654,
262.8812

■ 0.9611, 0.0000,
12.0009

150.0989,
125.6357, 316.8860

■ 0.0000, 0.0000,
6.6218

185.9620,

■ 0.0000, 0.0000,

158.2174, 377.8225

3.1519

227.1258,
195.9950, 446.1093

■ 0.0000, 0.0000,
1.1727

■ 0.0000, 0.0000,
0.0000

■ 25.7756, 17.7314,
82.1847

■ 25.7756, 17.7314,
82.1847

■ 21.5996, 12.8382,
81.4607

■ 31.2526, 24.2626,
83.1571

■ 18.6131, 9.4353,
80.9613

■ 38.1242, 32.5586,
84.3962

■ 16.6904, 7.3513,
80.6604

■ 46.4784, 42.7357,
85.9203

■ 15.6514, 6.3221,
80.5165

■ 56.3953, 54.8997,
87.7455

■ 15.6139, 6.2834,
80.5110

■ 67.9491, 69.1484,
89.8868

■ 81.2094, 85.5734,
92.3583

■ 92.2861, 98.8945,
94.3457

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



17.2419, 17.7314, 99.5667



25.7756, 17.7314, 82.1847



33.3847, 17.7314, 47.2202

Triad

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



25.7756, 17.7314, 82.1847



24.8987, 17.7314, 0.9013



6.0044, 17.7314, 20.4326

Complementary

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



25.7756, 17.7314, 82.1847



63.1347, 77.2597, 22.6516

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.



6.9434, 17.7314, 5.3676



25.7756, 17.7314, 82.1847



16.4703, 17.7314, 0.2103

Square

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



25.7756, 17.7314, 82.1847



32.7799, 17.7314, 4.5929



10.2716, 17.7314, 1.0537



7.1592, 17.7314, 50.7803

Rectangle

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



25.7756, 17.7314, 82.1847



36.0093, 17.7314, 26.2317



10.2716, 17.7314, 1.0537



6.0834, 17.7314, 13.7219

Sweetspot

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



25.7765, 17.7319, 82.1852



68.4125, 67.0661, 103.9471



47.1031, 62.5873, 89.7191



13.8517, 13.3815, 22.1028



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.



25.7765, 17.7319, 82.1852



24.7753, 14.3173, 96.0654



37.8867, 23.9750, 82.7519



14.3600, 14.6154, 18.9864



8.5715, 3.4547, 43.9580



0.7172, 0.2940, 3.4538

Inverse Universe

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



52.5620, 31.7520, 73.8760



59.1623, 32.3416, 84.2450



45.8654, 68.3571, 21.8434



15.6514, 15.2884, 18.7156



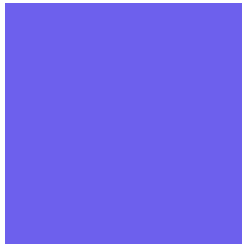
25.8003, 12.5228, 36.3455



2.0435, 0.9904, 2.9463

Previews

White Background



This preview shows how the XYZ color 25.7756, 17.7314, 82.1847 looks on a white background.

Color Contrast Check

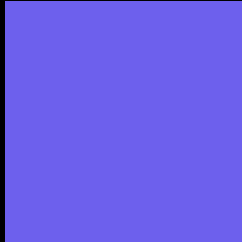
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7756, 17.7314, 82.1847 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 25.7756, 17.7314, 82.1847

Background



This preview shows how black text looks on a background with the XYZ color 25.7756, 17.7314, 82.1847.



This preview shows how white text looks on a background with the XYZ color 25.7756, 17.7314,

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

25.7756, 17.7314, 82.1847

Protanopia

21.2268, 17.7614, 83.1984

Deuteranopia

17.8593, 17.6986, 61.5064



Tritanopia

14.3348, 17.5924, 25.1944

Trichromacy



Original Color

25.7756, 17.7314, 82.1847



Protanomaly

21.4617, 16.9322, 83.0260



Deuteranomaly

19.2144, 16.8820, 68.5755



Tritanomaly

17.2985, 17.0011, 40.8979

Monochromacy



Original Color

25.7756, 17.7314, 82.1847



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

18.6239, 16.9861, 35.5548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7756, 17.7314, 82.1847 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(109, 96, 237)` looks like.

```
.text, #text, p{  
    color:rgb(109, 96, 237)  
}
```

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(109, 96, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 96, 237) }
```

Border

The CSS property to change the border of an element to XYZ 25.7756, 17.7314, 82.1847 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(109, 96, 237) }
```


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

```
.border{ border-color:rgb(109, 96, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 96, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 96, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 96, 237);  
box-shadow:4px 4px 4px 4px rgb(109, 96,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7756, 17.7314, 82.1847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 96, 237) }
```

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

```
.background{ background-color: rgb(109, 96,  
237) }
```

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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