

Converting Colors

XYZ(28.5774, 18.6457, 88.3190)

Have a look what the booklet for
XYZ(28.5774, 18.6457, 88.3190)
contains.

XYZ(28.5642, 18.6322, 88.4771)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.5642, 18.6322,
88.4771)**

Conversions

Conversions Part 1

Format	Color
Hex	7B5DF5
RGB	123, 93, 245
RGB Percent	48%, 36%, 96%
CMY	0.5176, 0.6353, 0.0392
CMYK	0.50, 0.62, 0.00, 0.04
HSL	252°, 88%, 66%
HSV	252°, 62%, 96%
XYZ	28.5642, 18.6322, 88.4771
YIQ	119.2980, -30.9120, 53.6320

Conversions

Conversions Part 2

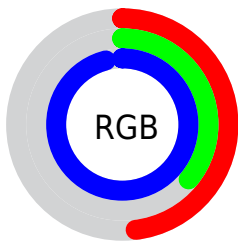
Format	Color
R _Y B	123, 93, 245
Decimal	8084981
CIE Lab	50.25, 49.33, -72.40
CIE LCh	50, 87.612, 304.271
Yxy	18.6322, 0.2105, 0.1373
Android (android.graphics.Color)	4286275061 (0xFF7B5DF5)
YUV	119.2980, 61.9711, 3.2467
Hunter-Lab	43.1650, 42.5825, -91.3136

Details

The XYZ color **28.5642, 18.6322, 88.4771** 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 **62.6512, 80.5418, 22.6000**, and the grayscale version is **17.4465, 18.3551, 19.9887**.

A 20% lighter version of the original color is **47.7038, 37.5381, 99.3390**, and **11.7227, 6.3317, 48.1812** is the 20% darker color. If you saturate the color by 10%, you get **24.2119, 13.6915, 87.7533**, and if you desaturate by 10%, it is **34.1718, 25.2423, 89.4579**.

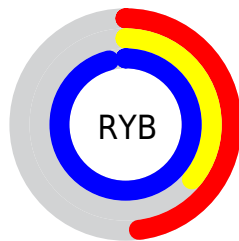
Distribution



Red (48%)

Green (36%)

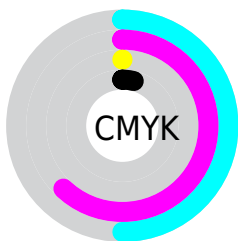
Blue (96%)



Red (48%)

Yellow (36%)

Blue (96%)

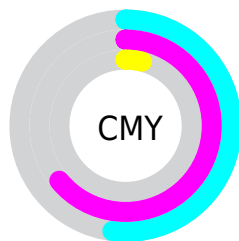


Cyan (50%)

Magenta (62%)

Yellow (0%)

Black (4%)



Cyan (52%)

Magenta (64%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5642, 18.6322, 88.4771 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 28.5642, 18.6322, 88.4771 by changing the saturation by 10% instead.

■ 28.5642, 18.6322,
88.4771

■ 28.5642, 18.6322,
88.4771

287.1846,
244.4107, 543.5061

■ 18.8940, 11.4048,
66.1517

■ 56.7863, 41.1117,
147.1382

■ 11.6973, 6.3398,
47.9383

■ 76.0690, 57.1326,
184.3109

■ 6.6086, 3.0528,
33.4184

■ 99.2865, 76.8534,
227.2698

■ 3.2627, 1.1594,
22.1734

■ 126.8043,
100.6586, 276.4335

■ 1.2942, 0.0281,
13.7848

158.9876,
128.9325, 332.2204

■ 0.1788, 0.0000,
7.8341

196.2018,

■ 0.0000, 0.0000,

162.0596, 395.0491

3.9027

238.8124,
200.4242, 465.3382

■ 0.0000, 0.0000,
1.5721

■ 0.0000, 0.0000,
0.2708

■ 28.5642, 18.6322,
88.4771

■ 28.5642, 18.6322,
88.4771

■ 24.2119, 13.6915,
87.7533

■ 34.1718, 25.2423,
89.4579

■ 21.0097, 10.2640,
87.2605

■ 41.1227, 33.6550,
90.7153

■ 18.8383, 8.1660,
86.9700

■ 49.4995, 43.9920,
92.2691

■ 17.7177, 7.2299,
86.8483

■ 59.3778, 56.3636,
94.1364

70.8272, 70.8719,
96.3333

83.9132, 87.6117,
98.8747

93.4815, 99.3726,
100.6405

Harmonies

Analogous

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



18.9510, 18.6322, 111.5166



28.5642, 18.6322, 88.4771



36.8242, 18.6322, 48.0477

Triad

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



28.5642, 18.6322, 88.4771



25.7693, 18.6322, 0.5397



5.9211, 18.6322, 23.9657

Complementary

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



28.5642, 18.6322, 88.4771



62.6512, 80.5418, 22.6000

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.



6.7104, 18.6322, 6.0212



28.5642, 18.6322, 88.4771



16.5231, 18.6322, 0.0000

Square

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



28.5642, 18.6322, 88.4771



34.8820, 18.6322, 3.7200



10.0256, 18.6322, 0.9962



7.3663, 18.6322, 59.5588

Rectangle

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



28.5642, 18.6322, 88.4771



39.3812, 18.6322, 25.3131



10.0256, 18.6322, 0.9962



5.9385, 18.6322, 15.9750

Sweetspot

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



28.5651, 18.6328, 88.4776



68.6067, 66.2443, 103.7782



45.8431, 58.6145, 95.2842



13.9523, 13.2544, 22.0729



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.



28.5651, 18.6328, 88.4776



25.6727, 14.0678, 95.9700



43.3871, 26.2737, 89.1712



15.8866, 16.0842, 20.8098



9.6328, 3.9402, 46.7909



0.9262, 0.3873, 4.1162

Inverse Universe

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



53.8358, 32.1473, 67.6540



55.8279, 30.2404, 69.0524



45.6356, 71.7699, 21.8037



17.0652, 16.7089, 20.0898



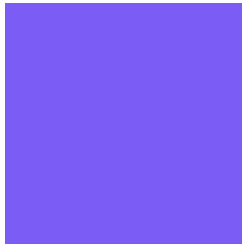
25.7432, 12.6407, 29.6857



2.2975, 1.1250, 2.7930

Previews

White Background



This preview shows how the XYZ color 28.5642, 18.6322, 88.4771 looks on a white background.

Color Contrast Check

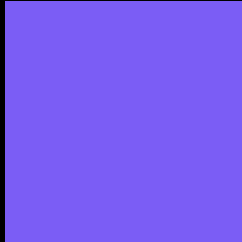
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.5642, 18.6322, 88.4771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

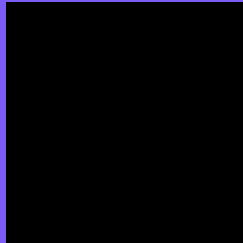
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.5642, 18.6322, 88.4771

Background



This preview shows how black text looks on a background with the XYZ color 28.5642, 18.6322, 88.4771.



This preview shows how white text looks on a background with the XYZ color 28.5642, 18.6322,

88.4771.

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

28.5642, 18.6322, 88.4771

Protanopia

22.4599, 18.7931, 88.0316

Deuteranopia

18.7174, 18.6222, 64.2360



Tritanopia

15.9232, 18.5902, 25.6707

Trichromacy



Original Color

28.5642, 18.6322, 88.4771

Protanomaly

22.6690, 17.6049, 87.7913

Deuteranomaly

20.0859, 17.2545, 72.0838

Tritanomaly

19.1225, 17.7302, 42.9718

Monochromacy



Original Color

28.5642, 18.6322, 88.4771

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

20.1132, 17.8615, 37.9849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5642, 18.6322, 88.4771 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(123, 93, 245)` looks like.

```
.text, #text, p{  
    color:rgb(123, 93, 245)  
}
```

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(123, 93, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 93, 245) }
```

Border

The CSS property to change the border of an element to XYZ 28.5642, 18.6322, 88.4771 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(123, 93, 245) }
```


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

```
.border{ border-color:rgb(123, 93, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 93, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 93, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 93, 245);  
box-shadow:4px 4px 4px 4px rgb(123, 93,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5642, 18.6322, 88.4771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 93, 245) }
```

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

```
.background{ background-color: rgb(123, 93,  
245) }
```

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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