

Converting Colors

XYZ(32.8815, 28.7879, 88.6176)

Have a look what the booklet for
XYZ(32.8815, 28.7879, 88.6176)
contains.

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Color

**XYZ(32.8815, 28.7879,
88.6176)**

Conversions

Conversions Part 1

Format	Color
Hex	768BF3
RGB	118, 139, 243
RGB Percent	46%, 55%, 95%
CMY	0.5372, 0.4549, 0.0471
CMYK	0.51, 0.43, 0.00, 0.05
HSL	230°, 84%, 71%
HSV	230°, 51%, 95%
XYZ	32.8815, 28.7879, 88.6176
YIQ	144.5770, -45.9000, 27.8920

Conversions

Conversions Part 2

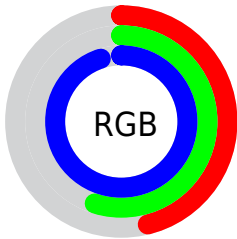
Format	Color
R _Y B	118, 136, 243
Decimal	7769075
CIE Lab	60.59, 20.85, -54.67
CIE LCh	61, 58.515, 290.879
Yxy	28.7879, 0.2188, 0.1916
Android (android.graphics.Color)	4285959155 (0xFF768BF3)
YUV	144.5770, 48.5225, -23.3080
Hunter-Lab	53.6544, 15.4967, -60.3676

Details

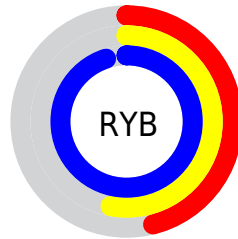
The XYZ color **32.8815, 28.7879, 88.6176** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **66.3552, 72.6079, 27.6587**, and the grayscale version is **26.5665, 27.9500, 30.4376**.

A 20% lighter version of the original color is **55.0311, 54.2664, 102.1818**, and **14.0662, 11.5307, 47.9386** is the 20% darker color. If you saturate the color by 10%, you get **27.3349, 21.9775, 87.5960**, and if you desaturate by 10%, it is **39.8217, 37.1211, 89.8609**.

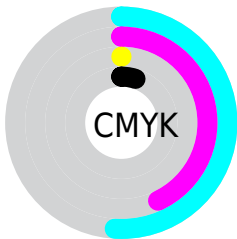
Distribution



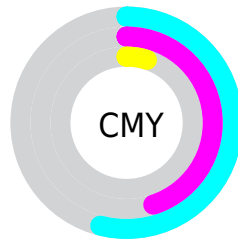
- Red (46%)
- Green (55%)
- Blue (95%)



- Red (46%)
- Yellow (53%)
- Blue (95%)



- Cyan (51%)
- Magenta (43%)
- Yellow (0%)
- Black (5%)



- Cyan (54%)
- Magenta (45%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8815, 28.7879, 88.6176 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 32.8815, 28.7879, 88.6176 by changing the saturation by 10% instead.

■ 32.8815, 28.7879,
88.6176

■ 32.8815, 28.7879,
88.6176

306.7899,
296.2129, 543.9773

■ 22.1945, 18.9204,
66.2674

■ 63.5464, 57.7399,
147.3354

■ 14.1173, 11.6128,
48.0317

■ 84.2550, 77.5933,
184.5400

■ 8.2845, 6.4806,
33.4918

■ 109.0348,
101.5440, 227.5333

■ 4.3309, 3.1395,
22.2293

138.2512,
129.9766, 276.7337

■ 1.8910, 1.2050,
13.8255

172.2696,
163.2754, 332.5597

■ 0.5716, 0.0658,
7.8621

211.4552,

■ 0.0000, 0.0000,

201.8248, 395.4300

3.9203

256.1735,
246.0091, 465.7630

■ 0.0000, 0.0000,
1.5817

■ 0.0000, 0.0000,
0.2777

■ 32.8815, 28.7879,
88.6176

■ 32.8815, 28.7879,
88.6176

■ 27.3349, 21.9775,
87.5960

■ 39.8217, 37.1211,
89.8609

■ 23.0817, 16.5928,
86.7808

■ 48.2391, 47.0600,
91.3356

■ 20.0137, 12.5297,
86.1582

■ 58.2148, 58.6850,
93.0537

■ 18.0025, 9.6676,
85.7118

■ 69.8230, 72.0701,
95.0255

■ 16.9645, 8.0445,
85.4532

■ 83.1330, 87.2850,
97.2607

■ 93.1778, 99.2511,
99.0410

Harmonies

Analogous

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



25.1199, 28.7879, 93.1082



32.8815, 28.7879, 88.6176



40.2723, 28.7879, 65.6706

Triad

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



32.8815, 28.7879, 88.6176



37.6067, 28.7879, 8.8585



15.3644, 28.7879, 25.1930

Complementary

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



32.8815, 28.7879, 88.6176



66.3552, 72.6079, 27.6587

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.



17.5558, 28.7879, 11.7201



32.8815, 28.7879, 88.6176



29.7338, 28.7879, 5.5790

Square

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



32.8815, 28.7879, 88.6176



43.3309, 28.7879, 18.7171



22.4976, 28.7879, 6.3075



15.8954, 28.7879, 48.6631

Rectangle

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



32.8815, 28.7879, 88.6176



43.5386, 28.7879, 47.0708



22.4976, 28.7879, 6.3075



15.7893, 28.7879, 19.5815

Sweetspot

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



32.8827, 28.7889, 88.6183



73.0255, 74.8024, 105.1972



52.4523, 73.1254, 79.1193



15.0418, 15.3322, 22.4166



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.



32.8827, 28.7889, 88.6183



30.1089, 24.0355, 97.6601



36.6764, 26.6566, 88.0068



15.8061, 16.3764, 20.8705



9.3759, 4.5456, 46.9213



0.8873, 0.5260, 4.1450

Inverse Universe

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



48.1019, 33.8772, 28.4306



49.1093, 31.2325, 22.3294



60.0640, 78.1652, 29.0630



16.6127, 16.5279, 17.7070



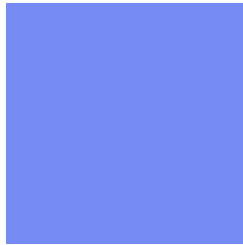
20.5370, 10.5583, 2.2705



1.8369, 0.9407, 0.3677

Previews

White Background



This preview shows how the XYZ color 32.8815, 28.7879, 88.6176 looks on a white background.

Color Contrast Check

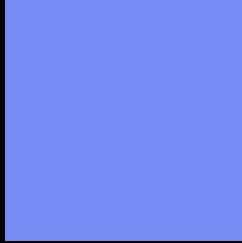
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.8815, 28.7879, 88.6176 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 32.8815, 28.7879, 88.6176

Background



This preview shows how black text looks on a background with the XYZ color 32.8815, 28.7879, 88.6176.



This preview shows how white text looks on a background with the XYZ color 32.8815, 28.7879,

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

32.8815, 28.7879, 88.6176

Protanopia

31.7870, 28.8246, 91.0771

Deuteranopia

29.8782, 29.0573, 87.2530



Tritanopia

23.4053, 28.6495, 41.3421

Trichromacy



Original Color

32.8815, 28.7879, 88.6176

Protanomaly

32.1906, 28.8305, 90.2544

Deuteranomaly

30.8241, 28.8441, 87.9473

Tritanomaly

26.1913, 28.3186, 55.7154

Monochromacy



Original Color

32.8815, 28.7879, 88.6176

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.1546, 28.1320, 47.6622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8815, 28.7879, 88.6176 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(118, 139, 243)` looks like.

```
.text, #text, p{  
    color:rgb(118, 139, 243)  
}
```

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(118, 139, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 139, 243) }
```

Border

The CSS property to change the border of an element to XYZ 32.8815, 28.7879, 88.6176 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(118, 139, 243) }
```


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

```
.border{ border-color:rgb(118, 139, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 139, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 139, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 139, 243);  
box-shadow:4px 4px 4px 4px rgb(118, 139,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8815, 28.7879, 88.6176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 139, 243) }
```

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

```
.background{ background-color: rgb(118,  
139, 243) }
```

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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