

Converting Colors

XYZ(33.0151, 26.7056, 88.4130)

Have a look what the booklet for
XYZ(33.0151, 26.7056, 88.4130)
contains.

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Color

**XYZ(33.0812, 26.8387,
88.2308)**

Conversions

Conversions Part 1

Format	Color
Hex	8181F3
RGB	129, 129, 243
RGB Percent	51%, 51%, 95%
CMY	0.4941, 0.4941, 0.0471
CMYK	0.47, 0.47, 0.00, 0.05
HSL	240°, 83%, 73%
HSV	240°, 47%, 95%
XYZ	33.0812, 26.8387, 88.2308
YIQ	141.9960, -36.5940, 35.4540

Conversions

Conversions Part 2

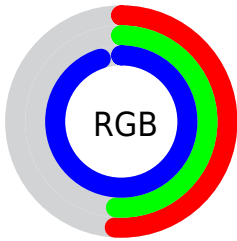
Format	Color
R_{YB}	129, 129, 243
Decimal	8487411
CIE _{Lab}	58.82, 29.19, -57.45
CIE _{LCh}	59, 64.441, 296.934
Yxy	26.8387, 0.2233, 0.1812
Android (android.graphics.Color)	4286677491 (0xFF8181F3)
YUV	141.9960, 49.7950, -11.3975
Hunter-Lab	51.8061, 23.3220, -64.7124

Details

The XYZ color **33.0812, 26.8387, 88.2308** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **72.9744, 84.7407, 33.2799**, and the grayscale version is **25.5303, 26.8599, 29.2504**.

A 20% lighter version of the original color is **55.2715, 51.2407, 101.5851**, and **14.2574, 10.5846, 47.7460** is the 20% darker color. If you saturate the color by 10%, you get **26.9902, 19.4991, 87.1357**, and if you desaturate by 10%, it is **40.8129, 36.1545, 89.6220**.

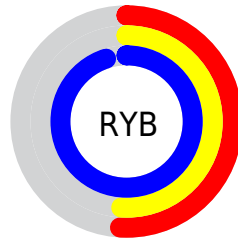
Distribution



Red (51%)

Green (51%)

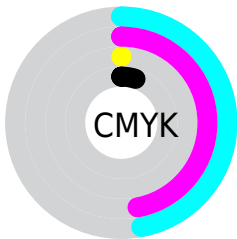
Blue (95%)



Red (51%)

Yellow (51%)

Blue (95%)

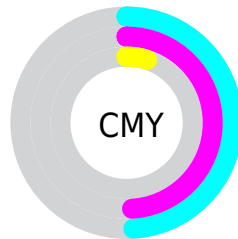


Cyan (47%)

Magenta (47%)

Yellow (0%)

Black (5%)



Cyan (49%)

Magenta (49%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0812, 26.8387, 88.2308 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 33.0812, 26.8387, 88.2308 by changing the saturation by 10% instead.

■ 33.0812, 26.8387,
88.2308

■ 33.0812, 26.8387,
88.2308

307.6740,
286.8753, 542.6796

■ 22.3482, 17.4521,
65.9488

■ 63.8561, 54.6249,
146.7924

■ 14.2310, 10.5574,
47.7746

■ 84.6287, 73.7934,
183.9091

■ 8.3643, 5.7700,
33.2897

■ 109.4786, 96.9912,
226.8077

■ 4.3827, 2.7058,
22.0756

138.7710,
124.6028, 275.9069

■ 1.9208, 0.9801,
13.7136

172.8715,
157.0127, 331.6252

■ 0.5889, 0.0000,
7.7853

212.1452,

■ 0.0000, 0.0000,

194.6051, 394.3810

3.8720

256.9576,
237.7645, 464.5930

■ 0.0000, 0.0000,
1.5554

■ 0.0000, 0.0000,
0.2587

■ 33.0812, 26.8387,
88.2308

■ 33.0812, 26.8387,
88.2308

■ 26.9902, 19.4991,
87.1357

■ 40.8129, 36.1545,
89.6220

■ 22.4186, 13.9906,
86.3134

■ 50.2884, 47.5719,
91.3263

■ 19.2338, 10.1532,
85.7406

■ 61.6062, 61.2092,
93.3621

■ 17.2787, 7.7975,
85.3889

■ 74.8566, 77.1752,
95.7455

■ 16.3532, 6.6824,
85.2225

■ 90.1240, 95.5715,
98.4916

■ 16.1779, 6.4712,
85.1909

■ 93.1778, 99.2511,
99.0409

Harmonies

Analogous

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



24.7002, 26.8387, 98.3893



33.0812, 26.8387, 88.2308



40.5890, 26.8387, 60.2186

Triad

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



33.0812, 26.8387, 88.2308



34.7945, 26.8387, 5.7428



13.0844, 26.8387, 26.9425

Complementary

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



33.0812, 26.8387, 88.2308



72.9744, 84.7407, 33.2799

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.



14.7211, 26.8387, 11.2501



33.0812, 26.8387, 88.2308



26.3360, 26.8387, 3.6793

Square

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



33.0812, 26.8387, 88.2308



41.7139, 26.8387, 13.5366



19.1912, 26.8387, 4.9869



14.1615, 26.8387, 53.8851

Rectangle

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



33.0812, 26.8387, 88.2308



43.4912, 26.8387, 40.2829



19.1912, 26.8387, 4.9869



13.3255, 26.8387, 20.3986

Sweetspot

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



33.0823, 26.8396, 88.2315



72.7640, 73.1465, 104.8914



57.2821, 75.2399, 96.2982



14.9226, 14.8709, 22.3338



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.



33.0823, 26.8396, 88.2315



30.5744, 22.3107, 97.3027



44.2782, 32.6113, 88.7554



15.5813, 15.9268, 20.7955



8.8790, 3.5516, 46.7556



0.7804, 0.3122, 4.1094

Inverse Universe

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



60.9900, 41.2266, 89.5346



65.1055, 40.1122, 98.9148



56.2633, 76.1258, 32.4978



17.2137, 16.7683, 20.8718



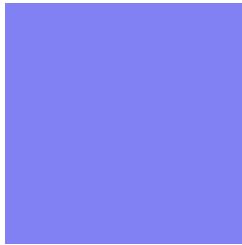
29.1644, 14.0092, 47.7015



2.5633, 1.2313, 4.1925

Previews

White Background



This preview shows how the XYZ color 33.0812, 26.8387, 88.2308 looks on a white background.

Color Contrast Check

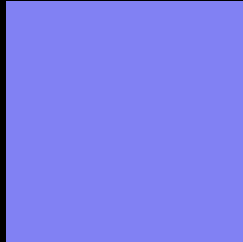
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.0812, 26.8387, 88.2308 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 33.0812, 26.8387, 88.2308

Background



This preview shows how black text looks on a background with the XYZ color 33.0812, 26.8387, 88.2308.



This preview shows how white text looks on a background with the XYZ color 33.0812, 26.8387,

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

33.0812, 26.8387, 88.2308

Protanopia

30.3827, 26.9311, 94.8637

Deuteranopia

28.0764, 27.2383, 86.2158



Tritanopia

22.8789, 26.7820, 37.2213

Trichromacy



Original Color

33.0812, 26.8387, 88.2308

Protanomaly

31.0619, 26.7111, 92.3255

Deuteranomaly

29.2800, 26.7520, 86.8395

Tritanomaly

25.7586, 26.3449, 52.4426

Monochromacy



Original Color

33.0812, 26.8387, 88.2308

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.3989, 26.4644, 46.3119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0812, 26.8387, 88.2308 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(129, 129, 243)` looks like.

```
.text, #text, p{  
    color:rgb(129, 129, 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(129, 129, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 129, 243) }
```

Border

The CSS property to change the border of an element to XYZ 33.0812, 26.8387, 88.2308 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(129, 129, 243) }
```


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

```
.border{ border-color:rgb(129, 129, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 129, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 129, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 129, 243);  
box-shadow:4px 4px 4px 4px rgb(129, 129,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0812, 26.8387, 88.2308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 129, 243) }
```

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

```
.background{ background-color: rgb(129,  
129, 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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