

Converting Colors

XYZ(33.4899, 28.2568, 85.7507)

Have a look what the booklet for
XYZ(33.4899, 28.2568, 85.7507)
contains.

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Color

**XYZ(33.5981, 28.3650,
86.1423)**

Conversions

Conversions Part 1

Format	Color
Hex	8287F0
RGB	130, 135, 240
RGB Percent	51%, 53%, 94%
CMY	0.4902, 0.4706, 0.0588
CMYK	0.46, 0.44, 0.00, 0.06
HSL	237°, 79%, 73%
HSV	237°, 46%, 94%
XYZ	33.5981, 28.3650, 86.1423
YIQ	145.4750, -36.6850, 31.5950

Conversions

Conversions Part 2

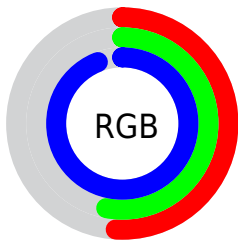
Format	Color
R _Y B	130, 135, 240
Decimal	8554480
CIE Lab	60.22, 25.01, -53.57
CIE LCh	60, 59.118, 295.028
Yxy	28.3650, 0.2269, 0.1915
Android (android.graphics.Color)	4286744560 (0xFF8287F0)
YUV	145.4750, 46.6008, -13.5716
Hunter-Lab	53.2588, 19.4031, -58.6162

Details

The XYZ color **33.5981, 28.3650, 86.1423** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **69.6747, 79.5564, 32.8046**, and the grayscale version is **26.9347, 28.3374, 30.8594**.

A 20% lighter version of the original color is **56.7723, 53.8778, 102.0150**, and **14.5475, 11.4522, 46.2435** is the 20% darker color. If you saturate the color by 10%, you get **27.4771, 20.9644, 85.0370**, and if you desaturate by 10%, it is **41.2675, 37.5854, 87.5184**.

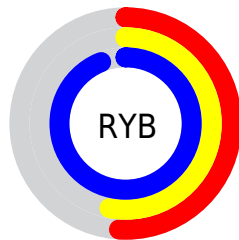
Distribution



Red (51%)

Green (53%)

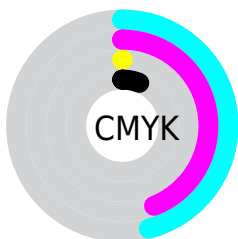
Blue (94%)



Red (51%)

Yellow (53%)

Blue (94%)

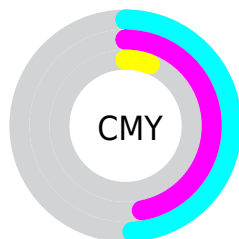


Cyan (46%)

Magenta (44%)

Yellow (0%)

Black (6%)



Cyan (49%)

Magenta (47%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5981, 28.3650, 86.1423 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 33.5981, 28.3650, 86.1423 by changing the saturation by 10% instead.

■ 33.5981, 28.3650,
86.1423

■ 33.5981, 28.3650,
86.1423

309.9538,
294.2069, 535.6432

■ 22.7464, 18.6010,
64.2301

■ 64.6566, 57.0667,
143.8563

■ 14.5261, 11.3823,
46.3897

■ 85.5942, 76.7731,
180.4953

■ 8.5716, 6.3246,
32.2025

■ 110.6245,
100.5624, 222.8801

■ 4.5177, 3.0434,
21.2502

140.1129,
128.8191, 271.4296

■ 1.9990, 1.1545,
13.1140

174.4246,
161.9275, 326.5620

■ 0.6334, 0.0240,
7.3754

213.9251,

■ 0.0000, 0.0000,

200.2720, 388.6961

3.6160

258.9797,
244.2370, 458.2503

■ 0.0000, 0.0000,
1.4171

■ 0.0000, 0.0000,
0.1550

■ 33.5981, 28.3650,
86.1423

■ 33.5981, 28.3650,
86.1423

■ 27.4771, 20.9644,
85.0370

■ 41.2675, 37.5854,
87.5184

■ 22.7960, 15.2605,
84.1828

■ 50.5773, 48.7322,
89.1792

■ 19.4377, 11.1193,
83.5605

■ 61.6160, 61.9068,
91.1404

■ 17.2652, 8.3857,
83.1473

■ 74.4652, 77.2032,
93.4157

■ 16.1117, 6.8723,
82.9160

■ 89.2010, 94.7090,
96.0180

■ 15.8468, 6.5284,
82.8636

■ 92.7283, 99.0713,
96.6741

Harmonies

Analogous

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



25.7181, 28.3650, 93.8031



33.5981, 28.3650, 86.1423



40.7316, 28.3650, 61.4672

Triad

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



33.5981, 28.3650, 86.1423



36.1926, 28.3650, 7.7726



14.9044, 28.3650, 27.4107

Complementary

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



33.5981, 28.3650, 86.1423



69.6747, 79.5564, 32.8046

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.



16.7059, 28.3650, 12.6239



33.5981, 28.3650, 86.1423



28.2414, 28.3650, 5.1894

Square

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



33.5981, 28.3650, 86.1423



42.4153, 28.3650, 16.3937



21.2596, 28.3650, 6.4195



15.8056, 28.3650, 52.0880

Rectangle

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



33.5981, 28.3650, 86.1423



43.6065, 28.3650, 42.9539



21.2596, 28.3650, 6.4195



15.2023, 28.3650, 21.3188

Sweetspot

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



33.5992, 28.3660, 86.1430



73.1895, 73.9982, 105.0333



55.2904, 73.0362, 89.4031



15.0244, 15.0746, 22.3678



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.



33.5992, 28.3660, 86.1430



31.9394, 24.5520, 97.6634



42.4186, 31.9018, 86.3606



14.9548, 15.3438, 19.8951



8.7004, 3.6250, 45.3690



0.7439, 0.3418, 3.7810

Inverse Universe

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



48.2921, 36.2414, 27.3723



50.8009, 34.8480, 22.1768



56.5510, 74.9445, 32.6062



15.8019, 15.7705, 16.5130



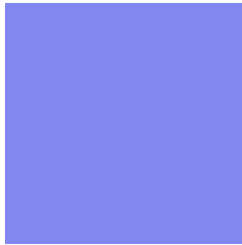
19.7172, 10.1593, 1.1612



1.6504, 0.8492, 0.1501

Previews

White Background



This preview shows how the XYZ color 33.5981, 28.3650, 86.1423 looks on a white background.

Color Contrast Check

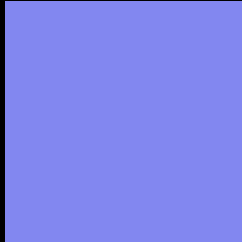
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5981, 28.3650, 86.1423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

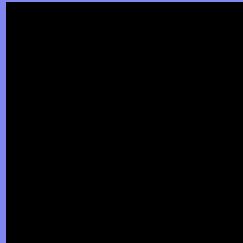
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.5981, 28.3650, 86.1423

Background



This preview shows how black text looks on a background with the XYZ color 33.5981, 28.3650, 86.1423.



This preview shows how white text looks on a background with the XYZ color 33.5981, 28.3650,

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

33.5981, 28.3650, 86.1423

Protanopia

31.4150, 28.4129, 91.0173

Deuteranopia

29.5493, 28.7092, 84.8729



Tritanopia

24.2358, 28.3880, 39.3240

Trichromacy



Original Color

33.5981, 28.3650, 86.1423

Protanomaly

32.1173, 28.3764, 89.3724

Deuteranomaly

30.7325, 28.4028, 85.5239

Tritanomaly

27.1294, 28.1454, 53.8719

Monochromacy



Original Color

33.5981, 28.3650, 86.1423

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.5783, 27.9205, 47.0630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5981, 28.3650, 86.1423 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(130, 135, 240)` looks like.

```
.text, #text, p{  
    color:rgb(130, 135, 240)  
}
```

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(130, 135, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 135, 240) }
```

Border

The CSS property to change the border of an element to XYZ 33.5981, 28.3650, 86.1423 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(130, 135, 240) }
```


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

```
.border{ border-color:rgb(130, 135, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 135, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 135, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 135, 240);  
box-shadow:4px 4px 4px 4px rgb(130, 135,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5981, 28.3650, 86.1423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 135, 240) }
```

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

```
.background{ background-color: rgb(130,  
135, 240) }
```

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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