

Converting Colors

XYZ(33.6572, 27.9448, 87.0193)

Have a look what the booklet for
XYZ(33.6572, 27.9448, 87.0193)
contains.

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Color

**XYZ(33.6248, 27.9512,
86.8420)**

Conversions

Conversions Part 1

Format	Color
Hex	8385F1
RGB	131, 133, 241
RGB Percent	51%, 52%, 95%
CMY	0.4863, 0.4784, 0.0549
CMYK	0.46, 0.45, 0.00, 0.05
HSL	239°, 80%, 73%
HSV	239°, 46%, 95%
XYZ	33.6248, 27.9512, 86.8420
YIQ	144.7140, -35.8600, 33.1640

Conversions

Conversions Part 2

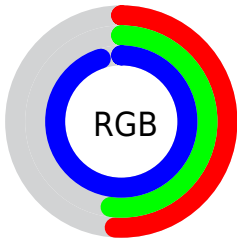
Format	Color
R_{YB}	131, 133, 241
Decimal	8619505
CIE _{Lab}	59.84, 26.71, -54.71
CIE _{LCh}	60, 60.881, 296.022
Yxy	27.9512, 0.2266, 0.1883
Android (android.graphics.Color)	4286809585 (0xFF8385F1)
YUV	144.7140, 47.4690, -12.0272
Hunter-Lab	52.8689, 21.0061, -60.3810

Details

The XYZ color **33.6248, 27.9512, 86.8420** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **71.2407, 82.0752, 33.5619**, and the grayscale version is **26.6228, 28.0093, 30.5021**.

A 20% lighter version of the original color is **56.5952, 53.1566, 101.8851**, and **14.5697, 11.2178, 46.7447** is the 20% darker color. If you saturate the color by 10%, you get **27.4342, 20.4806, 85.7269**, and if you desaturate by 10%, it is **41.4153, 37.3304, 88.2423**.

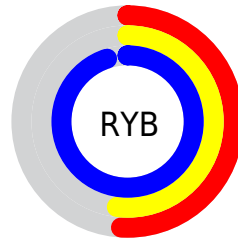
Distribution



Red (51%)

Green (52%)

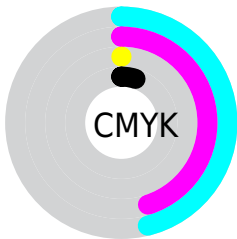
Blue (95%)



Red (51%)

Yellow (52%)

Blue (95%)

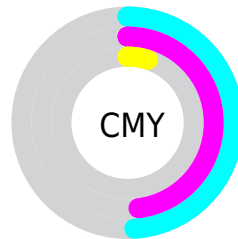


Cyan (46%)

Magenta (45%)

Yellow (0%)

Black (5%)



Cyan (49%)

Magenta (48%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6248, 27.9512, 86.8420 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 33.6248, 27.9512, 86.8420 by changing the saturation by 10% instead.

■ 33.6248, 27.9512,
86.8420

■ 33.6248, 27.9512,
86.8420

310.0712,
292.2337, 538.0063

■ 22.7670, 18.2889,
64.8056

■ 64.6979, 56.4065,
144.8408

■ 14.5413, 11.1576,
46.8531

■ 85.6440, 75.9683,
181.6403

■ 8.5823, 6.1729,
32.5660

■ 110.6836, 99.5987,
224.1979

■ 4.5247, 2.9505,
21.5258

140.1820,
127.6821, 272.9321

■ 2.0030, 1.1060,
13.3139

174.5047,
160.6029, 328.2615

■ 0.6357, 0.0000,
7.5118

214.0168,

■ 0.0000, 0.0000,

198.7455, 390.6047

3.7009

259.0839,
242.4943, 460.3801

■ 0.0000, 0.0000,
1.4628

■ 0.0000, 0.0000,
0.1899

■ 33.6248, 27.9512,
86.8420

■ 33.6248, 27.9512,
86.8420

■ 27.4342, 20.4806,
85.7269

■ 41.4153, 37.3304,
88.2423

■ 22.7294, 14.7851,
84.8755

■ 50.9025, 48.7338,
89.9434

■ 19.3869, 10.7185,
84.2667

■ 62.1795, 62.2711,
91.9620

■ 17.2615, 8.1102,
83.8753

■ 75.3317, 78.0435,
94.3132

■ 16.1753, 6.7517,
83.6703

■ 90.4389, 96.1454,
97.0109

■ 15.9248, 6.4459,
83.6245

■ 92.8773, 99.1309,
97.4587

Harmonies

Analogous

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



25.5503, 27.9512, 95.5828



33.6248, 27.9512, 86.8420



40.8733, 27.9512, 60.9078

Triad

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



33.6248, 27.9512, 86.8420



35.7551, 27.9512, 7.0423



14.3406, 27.9512, 27.5794

Complementary

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



33.6248, 27.9512, 86.8420



71.2407, 82.0752, 33.5619

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.



16.0616, 27.9512, 12.3229



33.6248, 27.9512, 86.8420



27.6098, 27.9512, 4.6749

Square

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



33.6248, 27.9512, 86.8420



42.2610, 27.9512, 15.3352



20.5727, 27.9512, 5.9882



15.3366, 27.9512, 53.1510

Rectangle

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



33.6248, 27.9512, 86.8420



43.7291, 27.9512, 41.8998



20.5727, 27.9512, 5.9882



14.6099, 27.9512, 21.2778

Sweetspot

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



33.6259, 27.9522, 86.8427



72.9333, 73.4858, 104.9479



56.1513, 73.8707, 91.6760



14.9631, 14.9520, 22.3473



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.



33.6259, 27.9522, 86.8427



31.4832, 23.6395, 97.5113



43.3652, 32.5710, 87.2209



14.9203, 15.2747, 19.8835



8.6460, 3.5163, 45.3509



0.7273, 0.3086, 3.7754

Inverse Universe

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



48.6266, 36.6284, 26.6980



50.5706, 34.7558, 20.9641



56.7053, 75.4545, 33.0500



15.7844, 15.7635, 16.4211



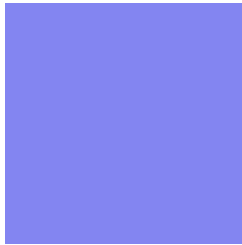
19.6897, 10.1483, 1.0168



1.6421, 0.8459, 0.1060

Previews

White Background



This preview shows how the XYZ color 33.6248, 27.9512, 86.8420 looks on a white background.

Color Contrast Check

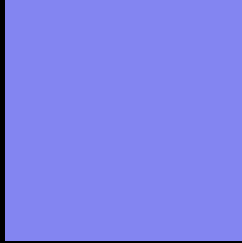
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.6248, 27.9512, 86.8420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

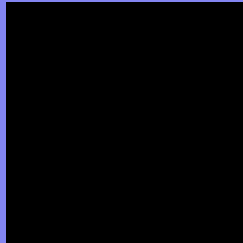
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.6248, 27.9512, 86.8420

Background



This preview shows how black text looks on a background with the XYZ color 33.6248, 27.9512, 86.8420.



This preview shows how white text looks on a background with the XYZ color 33.6248, 27.9512,

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

33.6248, 27.9512, 86.8420

Protanopia

31.1452, 28.0203, 92.5739

Deuteranopia

29.0377, 28.2177, 84.8050



Tritanopia

23.9841, 28.0288, 38.7963

Trichromacy



Original Color

33.6248, 27.9512, 86.8420

Protanomaly

31.7338, 27.7351, 90.0671

Deuteranomaly

30.3604, 27.9911, 85.4640

Tritanomaly

26.7133, 27.4900, 53.1884

Monochromacy



Original Color

33.6248, 27.9512, 86.8420

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 33.6248, 27.9512, 86.8420 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(131, 133, 241)` looks like.

```
.text, #text, p{  
    color:rgb(131, 133, 241)  
}
```

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(131, 133, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 133, 241) }
```

Border

The CSS property to change the border of an element to XYZ 33.6248, 27.9512, 86.8420 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(131, 133, 241) }
```


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

```
.border{ border-color:rgb(131, 133, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 133, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 133, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 133, 241);  
box-shadow:4px 4px 4px 4px rgb(131, 133,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6248, 27.9512, 86.8420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 133, 241) }
```

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

```
.background{ background-color: rgb(131,  
133, 241) }
```

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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