

Converting Colors

XYZ(33.0848, 28.8811, 76.4668)

Have a look what the booklet for
XYZ(33.0848, 28.8811, 76.4668)
contains.

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Color

**XYZ(33.1069, 28.9572,
76.5174)**

Conversions

Conversions Part 1

Format	Color
Hex	888AE3
RGB	136, 138, 227
RGB Percent	53%, 54%, 89%
CMY	0.4667, 0.4588, 0.1098
CMYK	0.40, 0.39, 0.00, 0.11
HSL	239°, 62%, 71%
HSV	239°, 40%, 89%
XYZ	33.1069, 28.9572, 76.5174
YIQ	147.5480, -29.7610, 27.2550

Conversions

Conversions Part 2

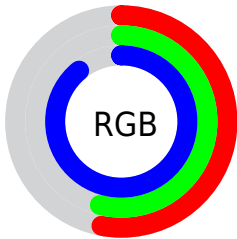
Format	Color
R _Y B	136, 138, 227
Decimal	8948451
CIE Lab	60.74, 21.01, -45.50
CIE LCh	61, 50.112, 294.786
Yxy	28.9572, 0.2389, 0.2090
Android (android.graphics.Color)	4287138531 (0xFF888AE3)
YUV	147.5480, 39.1698, -10.1276
Hunter-Lab	53.8119, 15.6484, -46.6386

Details

The XYZ color **33.1069, 28.9572, 76.5174** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **63.0488, 71.9604, 33.8607**, and the grayscale version is **27.8125, 29.2609, 31.8651**.

A 20% lighter version of the original color is **58.4190, 55.6881, 102.2776**, and **14.2337, 11.6691, 40.0302** is the 20% darker color. If you saturate the color by 10%, you get **26.9369, 21.5219, 75.4080**, and if you desaturate by 10%, it is **40.7108, 38.0991, 77.8818**.

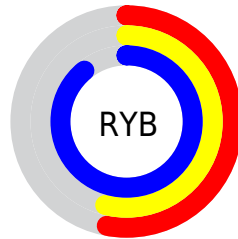
Distribution



Red (53%)

Green (54%)

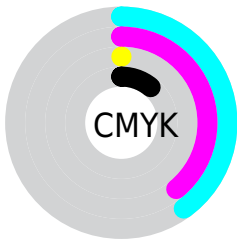
Blue (89%)



Red (53%)

Yellow (54%)

Blue (89%)

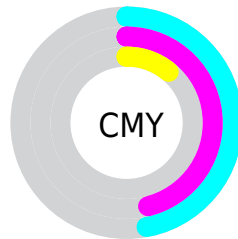


Cyan (40%)

Magenta (39%)

Yellow (0%)

Black (11%)



Cyan (47%)

Magenta (46%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1069, 28.9572, 76.5174 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 33.1069, 28.9572, 76.5174 by changing the saturation by 10% instead.

■ 33.1069, 28.9572,
76.5174

■ 33.1069, 28.9572,
76.5174

307.7876,
297.0130, 502.5109

■ 22.3680, 19.0484,
56.3477

■ 63.8960, 58.0091,
130.2248

■ 14.2456, 11.7053,
40.0759

■ 84.6768, 77.9210,
164.5996

■ 8.3746, 6.5433,
27.2835

■ 109.5356,
101.9361, 204.5464

■ 4.3894, 3.1782,
17.5519

138.8379,
130.4387, 250.4839

■ 1.9247, 1.2255,
10.4627

172.9488,
163.8134, 302.8305

■ 0.5911, 0.0823,
5.5972

212.2339,

■ 0.0000, 0.0000,

202.4443, 362.0049

2.5369

257.0584,
246.7161, 428.4255

■ 0.0000, 0.0000,
0.8596

■ 0.0000, 0.0000,
0.0000

■ 33.1069, 28.9572,
76.5174

■ 33.1069, 28.9572,
76.5174

■ 26.9369, 21.5219,
75.4080

■ 40.7108, 38.0991,
77.8818

■ 22.1078, 15.6844,
74.5358

■ 49.8272, 49.0409,
79.5132

■ 18.5210, 11.3288,
73.8841

■ 60.5330, 61.8730,
81.4258

■ 16.0629, 8.3217,
73.4332

■ 72.8987, 76.6786,
83.6318

■ 14.5991, 6.5061,
73.1599

■ 86.9909, 93.5361,
86.1429

■ 13.9193, 5.6543,
73.0313

■ 90.8652, 98.3261,
86.8633

Harmonies

Analogous

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



26.4017, 28.9572, 82.3514



33.1069, 28.9572, 76.5174



39.0594, 28.9572, 57.0262

Triad

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



33.1069, 28.9572, 76.5174



35.3842, 28.9572, 10.3838



16.8510, 28.9572, 28.3846

Complementary

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



33.1069, 28.9572, 76.5174



63.0488, 71.9604, 33.8607

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.



18.5162, 28.9572, 15.0553



33.1069, 28.9572, 76.5174



28.6755, 28.9572, 7.6180

Square

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



33.1069, 28.9572, 76.5174



40.5127, 28.9572, 18.7697



22.6051, 28.9572, 8.9073



17.6570, 28.9572, 49.0582

Rectangle

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



33.1069, 28.9572, 76.5174



41.4434, 28.9572, 41.8959



22.6051, 28.9572, 8.9073



17.1313, 28.9572, 23.0318

Sweetspot

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



33.1080, 28.9583, 76.5181



75.8593, 77.0207, 105.4760



51.0734, 65.5532, 80.4591



15.8308, 15.9989, 22.5037



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.



33.1080, 28.9583, 76.5181



36.3641, 29.5825, 98.4011



41.1378, 32.6760, 76.8125



13.6081, 13.9376, 18.1173



8.1287, 3.3196, 42.5955



0.6097, 0.2633, 3.1507

Inverse Universe

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



45.0711, 35.7755, 28.5755



53.9664, 39.6831, 27.8434



51.8092, 66.9729, 33.4904



14.3898, 14.3731, 14.9870



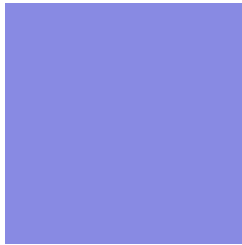
18.4965, 9.5328, 0.9777



1.3714, 0.7063, 0.0962

Previews

White Background



This preview shows how the XYZ color 33.1069, 28.9572, 76.5174 looks on a white background.

Color Contrast Check

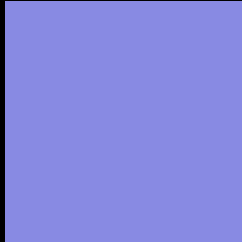
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.1069, 28.9572, 76.5174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

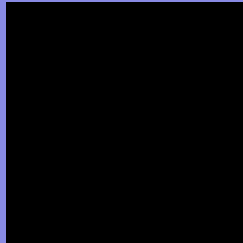
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.1069, 28.9572, 76.5174

Background



This preview shows how black text looks on a background with the XYZ color 33.1069, 28.9572, 76.5174.



This preview shows how white text looks on a background with the XYZ color 33.1069, 28.9572,

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

33.1069, 28.9572, 76.5174

Protanopia

31.1980, 28.9818, 80.2937

Deuteranopia

29.8133, 29.0582, 75.2716



Tritanopia

25.5132, 28.8066, 39.3375

Trichromacy



Original Color

33.1069, 28.9572, 76.5174

Protanomaly

31.6930, 28.8279, 78.7568

Deuteranomaly

30.8860, 28.9178, 75.9053

Tritanomaly

27.8527, 28.5812, 51.0624

Monochromacy



Original Color

33.1069, 28.9572, 76.5174

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.4107, 29.0501, 45.6521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1069, 28.9572, 76.5174 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(136, 138, 227)` looks like.

```
.text, #text, p{  
    color:rgb(136, 138, 227)  
}
```

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(136, 138, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 138, 227) }
```

Border

The CSS property to change the border of an element to XYZ 33.1069, 28.9572, 76.5174 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(136, 138, 227) }
```


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

```
.border{ border-color:rgb(136, 138, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 138, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 138, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 138, 227);  
box-shadow:4px 4px 4px 4px rgb(136, 138,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1069, 28.9572, 76.5174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 138, 227) }
```

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

```
.background{ background-color: rgb(136,  
138, 227) }
```

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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