

Converting Colors

XYZ(33.6367, 30.3294, 76.2725)

Have a look what the booklet for
XYZ(33.6367, 30.3294, 76.2725)
contains.

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Color

**XYZ(33.5416, 30.2868,
76.0296)**

Conversions

Conversions Part 1

Format	Color
Hex	878FE2
RGB	135, 143, 226
RGB Percent	53%, 56%, 89%
CMY	0.4706, 0.4392, 0.1137
CMYK	0.40, 0.37, 0.00, 0.11
HSL	235°, 61%, 71%
HSV	235°, 40%, 89%
XYZ	33.5416, 30.2868, 76.0296
YIQ	150.0700, -31.4110, 24.1170

Conversions

Conversions Part 2

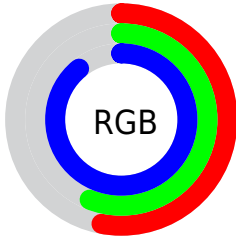
Format	Color
RYB	135, 142, 226
Decimal	8884194
CIELab	61.90, 17.55, -43.12
CIElCh	62, 46.558, 292.150
Yxy	30.2868, 0.2398, 0.2166
Android (android.graphics.Color)	4287074274 (0xFF878FE2)
YUV	150.0700, 37.4335, -13.2164
Hunter-Lab	55.0334, 12.4831, -43.3867

Details

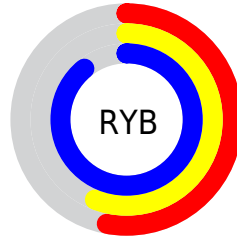
The XYZ color **33.5416, 30.2868, 76.0296** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **60.8098, 68.0623, 32.8555**, and the grayscale version is **28.8758, 30.3796, 33.0834**.

A 20% lighter version of the original color is **59.5021, 58.2289, 102.7109**, and **14.4783, 12.4365, 39.6676** is the 20% darker color. If you saturate the color by 10%, you get **27.4686, 22.9771, 74.9393**, and if you desaturate by 10%, it is **40.9572, 39.1337, 77.3470**.

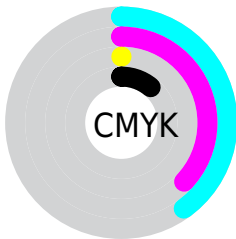
Distribution



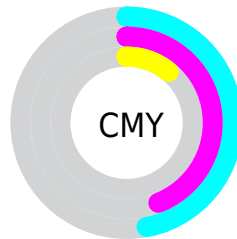
- Red (53%)
- Green (56%)
- Blue (89%)



- Red (53%)
- Yellow (56%)
- Blue (89%)



- Cyan (40%)
- Magenta (37%)
- Yellow (0%)
- Black (11%)



- Cyan (47%)
- Magenta (44%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5416, 30.2868, 76.0296 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 33.5416, 30.2868, 76.0296 by changing the saturation by 10% instead.

■ 33.5416, 30.2868,
76.0296

■ 33.5416, 30.2868,
76.0296

309.7052,
303.2390, 500.7985

■ 22.7029, 20.0564,
55.9500

■ 64.5692, 60.1154,
129.5292

■ 14.4938, 12.4360,
39.7591

■ 85.4888, 80.4824,
163.7863

■ 8.5489, 7.0414,
27.0384

■ 110.4995,
104.9971, 203.6063

■ 4.5029, 3.4880,
17.3694

139.9665,
134.0438, 249.4077

■ 1.9904, 1.3915,
10.3335

174.2552,
168.0070, 301.6091

■ 0.6285, 0.2104,
5.5121

213.7310,

■ 0.0000, 0.0000,

207.2710, 360.6290

2.4868

258.7592,
252.2202, 426.8860

■ 0.0000, 0.0000,
0.8332

■ 0.0000, 0.0000,
0.0000

■ 33.5416, 30.2868,
76.0296

■ 33.5416, 30.2868,
76.0296

■ 27.4686, 22.9771,
74.9393

■ 40.9572, 39.1337,
77.3470

■ 22.6543, 17.1135,
74.0613

■ 49.7858, 49.5953,
78.9009

■ 19.0108, 12.6005,
73.3822

■ 60.0967, 61.7477,
80.7031

■ 16.4371, 9.3294,
72.8865

■ 71.9540, 75.6614,
82.7638

■ 14.8151, 7.1748,
72.5561

■ 85.4177, 91.4026,
85.0925

■ 13.9754, 5.9866,
72.3710

■ 90.7276, 98.2710,
86.1384

Harmonies

Analogous

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



27.1820, 30.2868, 79.9512



33.5416, 30.2868, 76.0296



39.3150, 30.2868, 58.8130

Triad

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



33.5416, 30.2868, 76.0296



36.7770, 30.2868, 12.6337



18.4792, 30.2868, 28.5115

Complementary

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



33.5416, 30.2868, 76.0296



60.8098, 68.0623, 32.8555

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.



20.3289, 30.2868, 16.0929



33.5416, 30.2868, 76.0296



30.4533, 30.2868, 9.3352

Square

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



33.5416, 30.2868, 76.0296



41.3628, 30.2868, 21.6635



24.5038, 30.2868, 10.3206



19.0593, 30.2868, 47.6706

Rectangle

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



33.5416, 30.2868, 76.0296



41.7553, 30.2868, 44.6457



24.5038, 30.2868, 10.3206



18.8268, 30.2868, 23.5426

Sweetspot

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



33.5427, 30.2879, 76.0303



76.4082, 78.1185, 105.6590



49.7004, 64.5490, 75.4179



15.9587, 16.2547, 22.5463



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.



33.5427, 30.2879, 76.0303



37.5362, 31.9268, 98.7919



39.2746, 31.5233, 75.9667



13.0484, 13.4360, 17.2934



8.0090, 3.4876, 41.2994



0.5891, 0.3096, 2.8740

Inverse Universe

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



44.9869, 35.4812, 30.4651



54.5580, 39.9198, 30.9591



52.7060, 67.0385, 33.0850



13.7559, 13.7200, 14.4848



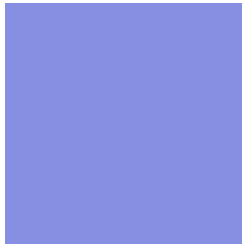
17.9828, 9.2601, 1.3091



1.2636, 0.6487, 0.1809

Previews

White Background



This preview shows how the XYZ color 33.5416, 30.2868, 76.0296 looks on a white background.

Color Contrast Check

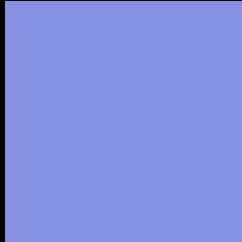
Large Text (above 18pt) WCAG AA × Fail

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 33.5416, 30.2868, 76.0296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

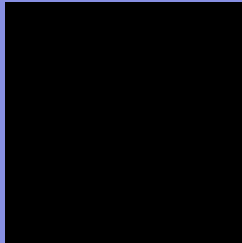
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5416, 30.2868, 76.0296

Background



This preview shows how black text looks on a background with the XYZ color 33.5416, 30.2868, 76.0296.



This preview shows how white text looks on a background with the XYZ color 33.5416, 30.2868,

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

33.5416, 30.2868, 76.0296

Protanopia

32.3223, 30.5176, 78.3157

Deuteranopia

31.2775, 30.5085, 75.4744



Tritanopia

26.4421, 30.2258, 40.9997

Trichromacy



Original Color

33.5416, 30.2868, 76.0296

Protanomaly

32.7399, 30.5192, 77.5640

Deuteranomaly

32.0504, 30.4413, 75.4207

Tritanomaly

28.6012, 30.1240, 51.8840

Monochromacy



Original Color

33.5416, 30.2868, 76.0296

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.1467, 30.1015, 46.3408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5416, 30.2868, 76.0296 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(135, 143, 226)` looks like.

```
.text, #text, p{  
    color:rgb(135, 143, 226)  
}
```

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(135, 143, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 143, 226) }
```

Border

The CSS property to change the border of an element to XYZ 33.5416, 30.2868, 76.0296 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(135, 143, 226) }
```


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

```
.border{ border-color:rgb(135, 143, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 143, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 143, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 143, 226);  
box-shadow:4px 4px 4px 4px rgb(135, 143,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5416, 30.2868, 76.0296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 143, 226) }
```

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

```
.background{ background-color: rgb(135,  
143, 226) }
```

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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