

Converting Colors

XYZ(33.6095, 28.2391, 66.9099)

Have a look what the booklet for
XYZ(33.6095, 28.2391, 66.9099)
contains.

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Color

**XYZ(33.5879, 28.1766,
66.6192)**

Conversions

Conversions Part 1

Format	Color
Hex	9A84D5
RGB	154, 132, 213
RGB Percent	60%, 52%, 84%
CMY	0.3961, 0.4823, 0.1647
CMYK	0.28, 0.38, 0.00, 0.16
HSL	256°, 49%, 68%
HSV	256°, 38%, 84%
XYZ	33.5879, 28.1766, 66.6192
YIQ	147.8120, -12.8890, 29.8550

Conversions

Conversions Part 2

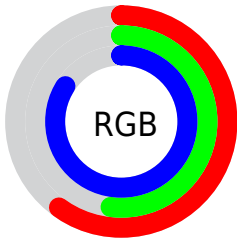
Format	Color
RYB	154, 132, 213
Decimal	10126549
CIELab	60.05, 25.70, -38.67
CIELCh	60, 46.435, 303.610
Yxy	28.1766, 0.2616, 0.2195
Android (android.graphics.Color)	4288316629 (0xFF9A84D5)
YUV	147.8120, 32.1377, 5.4269
Hunter-Lab	53.0816, 20.0547, -37.2538

Details

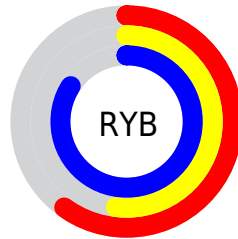
The XYZ color **33.5879, 28.1766, 66.6192** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **49.4456, 60.3314, 30.8699**, and the grayscale version is **27.9451, 29.4004, 32.0171**.

A 20% lighter version of the original color is **61.9773, 55.6196, 102.0768**, and **14.5557, 11.2699, 33.7559** is the 20% darker color. If you saturate the color by 10%, you get **28.2245, 21.5532, 65.6239**, and if you desaturate by 10%, it is **39.9246, 36.1782, 67.8302**.

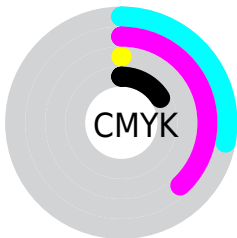
Distribution



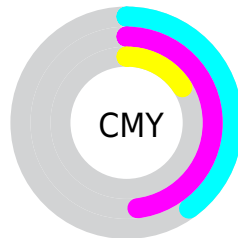
- Red (60%)
- Green (52%)
- Blue (84%)



- Red (60%)
- Yellow (52%)
- Blue (84%)



- Cyan (28%)
- Magenta (38%)
- Yellow (0%)
- Black (16%)



- Cyan (40%)
- Magenta (48%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5879, 28.1766, 66.6192 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 33.5879, 28.1766, 66.6192 by changing the saturation by 10% instead.

■ 33.5879, 28.1766,
66.6192

■ 33.5879, 28.1766,
66.6192

309.9089,
293.3098, 467.0526

■ 22.7386, 18.4588,
48.3156

■ 64.6409, 56.7663,
116.0101

■ 14.5202, 11.2799,
33.7151

■ 85.5752, 76.4070,
147.9344

■ 8.5675, 6.2554,
22.3992

■ 110.6020,
100.1241, 185.2360

■ 4.5150, 3.0010,
13.9494

140.0864,
128.3020, 228.3335

■ 1.9974, 1.1323,
7.9471

174.3940,
161.3251, 277.6453

■ 0.6325, 0.0053,
3.9739

213.8901,

■ 0.0000, 0.0000,

199.5779, 333.5901

1.6110

258.9399,
243.4447, 396.5864

■ 0.0000, 0.0000,
0.2987

■ 0.0000, 0.0000,
0.0000

■ 33.5879, 28.1766,
66.6192

■ 33.5879, 28.1766,
66.6192

■ 28.2245, 21.5532,
65.6239

■ 39.9246, 36.1782,
67.8302

■ 23.7809, 16.2251,
64.8297

■ 47.2785, 45.6280,
69.2666

■ 20.2023, 12.1051,
64.2231

■ 55.6942, 56.5951,
70.9399

■ 17.4270, 9.0938,
63.7881

■ 65.2127, 69.1429,
72.8602

■ 15.3835, 7.0752,
63.5062

■ 75.8730, 83.3316,
75.0370

■ 13.9751, 5.8847,
63.3506

■ 86.1603, 96.1149,
76.9622

■ 13.7467, 5.6993,
63.3269

■ 89.0103, 97.5841,
77.0956

Harmonies

Analogous

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



27.5041, 28.1766, 76.0623



33.5879, 28.1766, 66.6192



38.3247, 28.1766, 47.5675

Triad

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



33.5879, 28.1766, 66.6192



32.1649, 28.1766, 9.7645



16.9525, 28.1766, 32.7780

Complementary

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



33.5879, 28.1766, 66.6192



49.4456, 60.3314, 30.8699

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.



17.8248, 28.1766, 18.3526



33.5879, 28.1766, 66.6192



26.0708, 28.1766, 8.2922

Square

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



33.5879, 28.1766, 66.6192



37.4219, 28.1766, 15.9427



20.9621, 28.1766, 10.7528



18.3767, 28.1766, 52.4903

Rectangle

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



33.5879, 28.1766, 66.6192



39.7586, 28.1766, 34.4520



20.9621, 28.1766, 10.7528



16.9880, 28.1766, 27.1930

Sweetspot

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



33.5889, 28.1777, 66.6199



79.6241, 79.7197, 105.7985



40.2449, 47.1468, 69.9304



16.6662, 16.5717, 22.5702



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.



33.5889, 28.1777, 66.6199



43.5781, 33.8081, 98.8365



42.5361, 32.7902, 67.0386



12.0560, 12.1702, 15.6512



8.4814, 3.5248, 38.6865



0.5910, 0.2535, 2.3371

Inverse Universe

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



45.0965, 34.4112, 53.5559



63.6237, 44.6863, 75.1831



40.7039, 55.8249, 30.4607



12.8024, 12.5725, 14.8996



20.4283, 10.1076, 20.0911



1.2660, 0.6232, 1.3900

Previews

White Background



This preview shows how the XYZ color 33.5879, 28.1766, 66.6192 looks on a white background.

Color Contrast Check

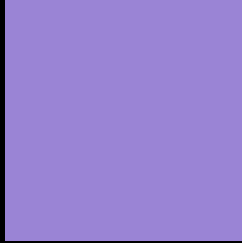
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5879, 28.1766, 66.6192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

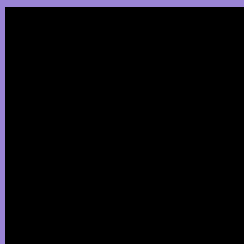
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.5879, 28.1766, 66.6192

Background



This preview shows how black text looks on a background with the XYZ color 33.5879, 28.1766, 66.6192.



This preview shows how white text looks on a background with the XYZ color 33.5879, 28.1766,

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

33.5879, 28.1766, 66.6192

Protanopia

30.0603, 28.3329, 72.9917

Deuteranopia

29.2023, 28.5012, 65.5902



Tritanopia

27.2173, 28.1527, 35.0099

Trichromacy



Original Color

33.5879, 28.1766, 66.6192

Protanomaly

31.0806, 28.0373, 70.7914

Deuteranomaly

30.6218, 28.3349, 66.1426

Tritanomaly

29.2472, 28.0938, 44.9554

Monochromacy



Original Color

33.5879, 28.1766, 66.6192

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.6971, 28.8086, 43.0251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5879, 28.1766, 66.6192 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(154, 132, 213)` looks like.

```
.text, #text, p{  
    color:rgb(154, 132, 213)  
}
```

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(154, 132, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 132, 213) }
```

Border

The CSS property to change the border of an element to XYZ 33.5879, 28.1766, 66.6192 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(154, 132, 213) }
```


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

```
.border{ border-color:rgb(154, 132, 213) }
```

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

Here you see how a box with a 4 pixel rgb(154, 132, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 132, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 132, 213);  
box-shadow:4px 4px 4px 4px rgb(154, 132,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5879, 28.1766, 66.6192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 132, 213) }
```

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

```
.background{ background-color: rgb(154,  
132, 213) }
```

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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