

Converting Colors

XYZ(33.4296, 27.8340, 52.8916)

Have a look what the booklet for
XYZ(33.4296, 27.8340, 52.8916)
contains.

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Color

**XYZ(33.4027, 27.7869,
52.8931)**

Conversions

Conversions Part 1

Format	Color
Hex	A881BF
RGB	168, 129, 191
RGB Percent	66%, 51%, 75%
CMY	0.3412, 0.4941, 0.2510
CMYK	0.12, 0.32, 0.00, 0.25
HSL	278°, 33%, 63%
HSV	278°, 32%, 75%
XYZ	33.4027, 27.7869, 52.8931
YIQ	147.7290, 3.3420, 27.5500

Conversions

Conversions Part 2

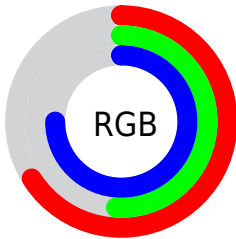
Format	Color
RYB	168, 129, 191
Decimal	11043263
CIELab	59.70, 26.57, -26.71
CIELCh	60, 37.676, 314.849
Yxy	27.7869, 0.2928, 0.2436
Android (android.graphics.Color)	4289233343 (0xFFA881BF)
YUV	147.7290, 21.3326, 17.7777
Hunter-Lab	52.7133, 20.8614, -22.5930

Details

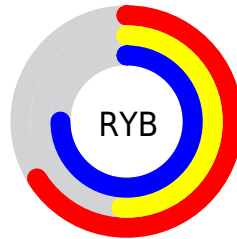
The XYZ color **33.4027, 27.7869, 52.8931** is a light color, and the websafe version is hex **996699**. A complement of this color would be **35.5429, 45.5226, 27.6835**, and the grayscale version is **27.9493, 29.4049, 32.0219**.

A 20% lighter version of the original color is **64.4117, 56.0805, 96.2367**, and **14.3816, 11.0429, 25.0404** is the 20% darker color. If you saturate the color by 10%, you get **29.6507, 22.4610, 52.0633**, and if you desaturate by 10%, it is **37.7090, 34.0980, 53.8847**.

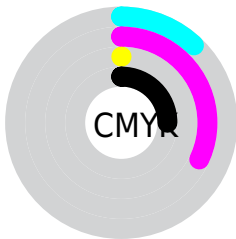
Distribution



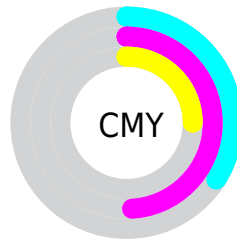
- Red (66%)
- Green (51%)
- Blue (75%)



- Red (66%)
- Yellow (51%)
- Blue (75%)



- Cyan (12%)
- Magenta (32%)
- Yellow (0%)
- Black (25%)



- Cyan (34%)
- Magenta (49%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4027, 27.7869, 52.8931 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 33.4027, 27.7869, 52.8931 by changing the saturation by 10% instead.

■ 33.4027, 27.7869,
52.8931

■ 33.4027, 27.7869,
52.8931

309.0934,
291.4472, 414.9295

■ 22.5958, 18.1651,
37.3303

■ 64.3542, 56.1440,
95.8870

■ 14.4144, 11.0686,
25.1655

■ 85.2296, 75.6481,
124.1552

■ 8.4931, 6.1130,
15.9803

■ 110.1918, 99.2151,
157.4956

■ 4.4665, 2.9139,
9.3560

139.6062,
127.2294, 196.3267

■ 1.9693, 1.0869,
4.8741

173.8383,
160.0754, 241.0671

■ 0.6166, 0.0000,
2.1162

213.2533,

■ 0.0000, 0.0000,

198.1374, 292.1354

0.6254

258.2165,
241.7999, 349.9500

■ 0.0000, 0.0000,
0.0000

■ 33.4027, 27.7869,
52.8931

■ 33.4027, 27.7869,
52.8931

■ 29.6507, 22.4610,
52.0633

■ 37.7090, 34.0980,
53.8847

■ 26.4226, 18.0637,
51.3846

■ 42.5923, 41.4398,
55.0445

■ 23.6893, 14.5376,
50.8481

■ 48.0774, 49.8594,
56.3805

■ 21.4172, 11.8178,
50.4429

■ 54.1865, 59.3995,
57.9000

■ 19.5678, 9.8295,
50.1566

■ 60.9409, 70.1009,
59.6095

■ 18.0956, 8.4835,
49.9744

■ 68.3607, 82.0021,
61.5156

■ 17.1701, 7.7652,
49.8845

■ 73.9580, 90.1254,
62.7886

■ 76.1174, 91.2387,
62.8897

■ 78.3684, 92.3991,
62.9950

Harmonies

Analogous

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



28.8254, 27.7869, 63.3072



33.4027, 27.7869, 52.8931



36.2626, 27.7869, 37.6331

Triad

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



33.4027, 27.7869, 52.8931



28.8747, 27.7869, 11.3564



18.5174, 27.7869, 37.4793

Complementary

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



33.4027, 27.7869, 52.8931



35.5429, 45.5226, 27.6835

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.



18.5272, 27.7869, 23.9107



33.4027, 27.7869, 52.8931



24.1346, 27.7869, 11.3379

Square

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



33.4027, 27.7869, 52.8931



33.4425, 27.7869, 15.2830



20.4694, 27.7869, 15.2213



20.4407, 27.7869, 52.7518

Rectangle

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



33.4027, 27.7869, 52.8931



36.6161, 27.7869, 28.0938



20.4694, 27.7869, 15.2213



18.3029, 27.7869, 32.5247

Sweetspot

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



33.4036, 27.7881, 52.8937



78.4459, 77.5142, 99.1063



29.8113, 31.1359, 53.7293



16.9307, 16.5712, 21.6915



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.4036, 27.7881, 52.8937



54.9164, 42.7652, 93.6392



37.9641, 30.2288, 49.0537



9.5775, 9.5146, 12.0039



11.3751, 5.1502, 32.7874



0.5155, 0.2378, 1.2876

Inverse Universe

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



35.0044, 29.0449, 33.4680



58.4634, 45.5073, 52.5306



32.1455, 43.7136, 30.1241



9.6726, 9.5933, 10.6648



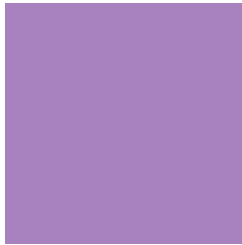
14.9006, 7.5914, 4.7701



0.6156, 0.3101, 0.3548

Previews

White Background



This preview shows how the XYZ color 33.4027, 27.7869, 52.8931 looks on a white background.

Color Contrast Check

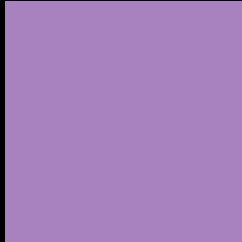
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.4027, 27.7869, 52.8931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

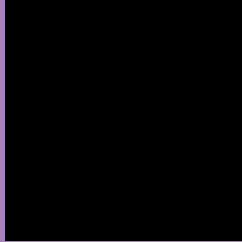
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.4027, 27.7869, 52.8931

Background



This preview shows how black text looks on a background with the XYZ color 33.4027, 27.7869, 52.8931.



This preview shows how white text looks on a background with the XYZ color 33.4027, 27.7869,

52.8931.

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

33.4027, 27.7869, 52.8931

Protanopia

28.8198, 27.9987, 59.1437

Deuteranopia

28.6898, 28.0885, 52.0536



Tritanopia

28.9889, 27.6065, 31.8177

Trichromacy



Original Color

33.4027, 27.7869, 52.8931

Protanomaly

30.0082, 27.5853, 56.5662

Deuteranomaly

30.0940, 27.7200, 52.4796

Tritanomaly

30.5358, 27.6230, 38.8443

Monochromacy



Original Color

33.4027, 27.7869, 52.8931

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.7433, 28.6987, 39.0937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4027, 27.7869, 52.8931 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(168, 129, 191)` looks like.

```
.text, #text, p{  
    color:rgb(168, 129, 191)  
}
```

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(168, 129, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 129, 191) }
```

Border

The CSS property to change the border of an element to XYZ 33.4027, 27.7869, 52.8931 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(168, 129, 191) }
```


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

```
.border{ border-color:rgb(168, 129, 191) }
```

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

Here you see how a box with a 4 pixel rgb(168, 129, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 129, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 129, 191);  
box-shadow:4px 4px 4px 4px rgb(168, 129,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4027, 27.7869, 52.8931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 129, 191) }
```

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

```
.background{ background-color: rgb(168,  
129, 191) }
```

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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