

# Converting Colors

XYZ(26.8419, 16.9066, 33.9283)

Have a look what the booklet for  
XYZ(26.8419, 16.9066, 33.9283)  
contains.

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# Color

**XYZ(26.7333, 16.8136,  
33.7346)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B14B9D
RGB	177, 75, 157
RGB Percent	69%, 29%, 62%
CMY	0.3059, 0.7059, 0.3843
CMYK	0.00, 0.58, 0.11, 0.31
HSL	312°, 40%, 49%
HSV	312°, 58%, 69%
XYZ	26.7333, 16.8136, 33.7346
YIQ	114.8460, 34.4700, 47.1260

# Conversions

## Conversions Part 2

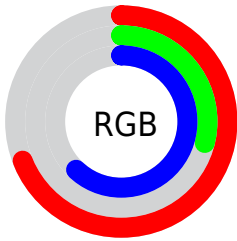
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 75, 157
Decimal	11619229
CIELab	48.02, 51.63, -24.95
CIELCh	48, 57.342, 334.212
Yxy	16.8136, 0.3459, 0.2176
Android (android.graphics.Color)	4289809309 (0xFFB14B9D)
YUV	114.8460, 20.7819, 54.5091
Hunter-Lab	41.0044, 44.6175, -20.0752

# Details

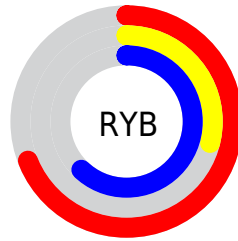
The XYZ color **26.7333, 16.8136, 33.7346** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **20.6901, 33.7669, 16.2550**, and the grayscale version is **16.1816, 17.0243, 18.5394**.

A 20% lighter version of the original color is **53.9949, 38.1161, 66.7987**, and **10.7467, 5.4991, 13.8596** is the 20% darker color. If you saturate the color by 10%, you get **25.4035, 14.6212, 31.8501**, and if you desaturate by 10%, it is **28.4066, 19.6789, 35.7754**.

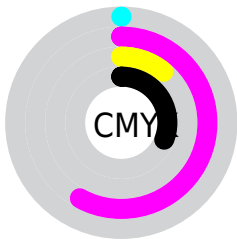
# Distribution



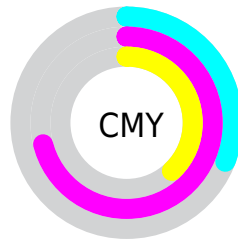
- Red (69%)
- Green (29%)
- Blue (62%)



- Red (69%)
- Yellow (29%)
- Blue (62%)



- Cyan (0%)
- Magenta (58%)
- Yellow (11%)
- Black (31%)




- Cyan (31%)
- Magenta (71%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.7333, 16.8136, 33.7346 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 26.7333, 16.8136, 33.7346 by changing the saturation by 10% instead.





 26.7333, 16.8136,  
33.7346


 26.7333, 16.8136,  
33.7346


278.5546,  
234.0959, 333.6800


 17.5086, 10.1017,  
22.4141


 53.8785, 38.0050,  
66.6499


 10.6953, 5.4664,  
13.9603


 72.5297, 53.2533,  
89.0818


 5.9281, 2.5234,  
7.9546


 95.0538, 72.1158,  
116.0545

 2.8417, 0.8883,  
3.9785

 121.8161, 94.9770,  
147.9866

 1.0706, 0.0000,  
1.6136

 153.1820,  
122.2212, 185.2967

 0.0003, 0.0000,  
0.3005

189.5168,

 0.0000, 0.0000,

154.2328, 228.4033

0.0000

231.1859,  
191.3962, 277.7248

■ 26.7333, 16.8136,  
33.7346

■ 26.7333, 16.8136,  
33.7346

■ 25.4035, 14.6212,  
31.8501

■ 28.4066, 19.6789,  
35.7754

■ 24.3869, 13.0422,  
30.1111

■ 30.4470, 23.2650,  
37.9803

■ 23.6509, 12.0110,  
28.5064

■ 32.8778, 27.6184,  
40.3576

■ 23.1440, 11.4252,  
27.0186

■ 35.7201, 32.7809,  
42.9146

■ 23.0361, 11.3090,  
26.6752

■ 38.9933, 38.7913,  
45.6580

■ 42.7156, 45.6860,  
48.5944

■ 46.9042, 53.4990,  
51.7296

■ 51.5753, 62.2629,  
55.0695

■ 56.7443, 72.0082,  
58.6195

# Harmonies

## Analogous

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



22.2618, 16.8136, 53.4860



26.7333, 16.8136, 33.7346



28.1166, 16.8136, 16.2905

# Triad

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



26.7333, 16.8136, 33.7346



15.2602, 16.8136, 2.0493



9.0773, 16.8136, 39.4897

# Complementary

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



26.7333, 16.8136, 33.7346



20.6901, 33.7669, 16.2550

# 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.



7.9625, 16.8136, 20.4838



26.7333, 16.8136, 33.7346



11.0086, 16.8136, 3.3980

# Square

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



26.7333, 16.8136, 33.7346



20.7181, 16.8136, 2.7607



8.5847, 16.8136, 8.4893



12.0271, 16.8136, 57.8842



# Rectangle

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



26.7333, 16.8136, 33.7346



26.8967, 16.8136, 8.9223



8.5847, 16.8136, 8.4893



8.5084, 16.8136, 32.6775

# Sweetspot

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



26.7339, 16.8144, 33.7349



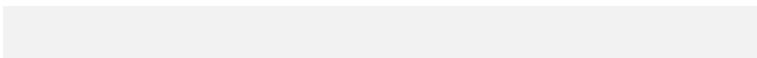
64.1562, 59.0436, 77.0167



15.0382, 10.5713, 42.8431



13.6753, 12.3788, 16.4918



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



26.7339, 16.8144, 33.7349



44.9802, 25.3633, 56.2225



23.3179, 15.4480, 15.7467



8.7772, 8.6176, 10.3250



16.7119, 8.2023, 19.4407



0.5441, 0.2654, 0.7079



# Inverse Universe

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



26.7339, 16.8144, 33.7349



44.9802, 25.3633, 56.2225



23.7122, 34.9757, 32.1690



8.7772, 8.6176, 10.3250



16.7119, 8.2023, 19.4407



0.5441, 0.2654, 0.7079



# Previews

## White Background



This preview shows how the XYZ color 26.7333, 16.8136, 33.7346 looks on a white 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



# Black Background



This preview shows how the XYZ color 26.7333, 16.8136, 33.7346 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

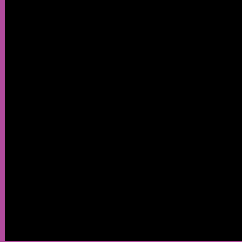
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 26.7333, 16.8136, 33.7346**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.7333, 16.8136, 33.7346.



This preview shows how white text looks on a background with the XYZ color 26.7333, 16.8136,



# 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

26.7333, 16.8136, 33.7346

### Protanopia

18.5101, 17.1075, 49.3402

### Deuteranopia

17.4349, 17.1088, 31.6616



## Tritanopia

22.6084, 16.8333, 13.3668

# Trichromacy



## Original Color

26.7333, 16.8136, 33.7346

## Protanomaly

19.7695, 15.9098, 43.1032

## Deuteranomaly

19.7273, 16.1291, 32.2105

## Tritanomaly

23.8119, 16.7131, 19.4237

# Monochromacy



## Original Color

26.7333, 16.8136, 33.7346

## Achromatopsia

16.2955, 17.1441, 18.6699

## Achromatomaly

19.0677, 16.1293, 23.2274

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.7333, 16.8136, 33.7346 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(177, 75, 157)` looks like.

```
.text, #text, p{  
    color:rgb(177, 75, 157)  
}
```

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(177, 75, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 75, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 26.7333, 16.8136, 33.7346 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(177, 75, 157) }
```



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

```
.border{ border-color:rgb(177, 75, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 75, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 75, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 75, 157);  
box-shadow:4px 4px 4px 4px rgb(177, 75,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.7333, 16.8136, 33.7346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 75, 157) }
```

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

```
.background{ background-color: rgb(177, 75,  
157) }
```

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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