

Converting Colors

XYZ(33.0578, 26.9975, 44.4938)

Have a look what the booklet for
XYZ(33.0578, 26.9975, 44.4938)
contains.

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Color

**XYZ(33.0746, 27.0319,
44.5488)**

Conversions

Conversions Part 1

Format	Color
Hex	B07DB0
RGB	176, 125, 176
RGB Percent	69%, 49%, 69%
CMY	0.3098, 0.5098, 0.3098
CMYK	0.00, 0.29, 0.00, 0.31
HSL	300°, 24%, 59%
HSV	300°, 29%, 69%
XYZ	33.0746, 27.0319, 44.5488
YIQ	146.0630, 14.0250, 26.6730

Conversions

Conversions Part 2

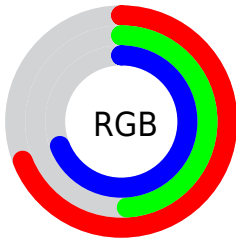
Format	Color
RYB	176, 125, 176
Decimal	11566512
CIELab	59.00, 28.39, -19.16
CIELCh	59, 34.253, 325.991
Yxy	27.0319, 0.3160, 0.2583
Android (android.graphics.Color)	4289756592 (0xFFB07DB0)
YUV	146.0630, 14.7589, 26.2547
Hunter-Lab	51.9922, 22.5656, -14.4073

Details

The XYZ color **33.0746, 27.0319, 44.5488** is a light color, and the websafe version is hex **996699**. A complement of this color would be **27.6855, 36.8922, 25.0652**, and the grayscale version is **27.2855, 28.7065, 31.2614**.

A 20% lighter version of the original color is **63.7646, 54.8228, 83.5650**, and **14.2596, 10.6732, 20.0475** is the 20% darker color. If you saturate the color by 10%, you get **31.0412, 22.9646, 43.8712**, and if you desaturate by 10%, it is **35.5045, 31.8911, 45.3591**.

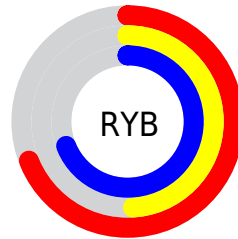
Distribution



Red (69%)

Green (49%)

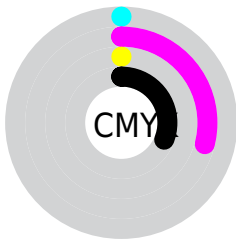
Blue (69%)



Red (69%)

Yellow (49%)

Blue (69%)

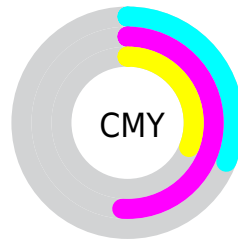


Cyan (0%)

Magenta (29%)

Yellow (0%)

Black (31%)



Cyan (31%)

Magenta (51%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0746, 27.0319, 44.5488 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 33.0746, 27.0319, 44.5488 by changing the saturation by 10% instead.

33.0746, 27.0319,
44.5488

33.0746, 27.0319,
44.5488

307.6448,
287.8115, 381.0498

22.3431, 17.5972,
30.7618

63.8459, 54.9351,
83.3542

14.2272, 10.6612,
20.1606

84.6164, 74.1723,
109.2097

8.3616, 5.8395,
12.3266

109.4639, 97.4458,
139.9251

4.3810, 2.7477,
6.8413

138.7539,
125.1400, 175.9189

1.9198, 1.0015,
3.2861

172.8516,
157.6393, 217.6098

0.5883, 0.0000,
1.2425

212.1224,

0.0000, 0.0000,

195.3280, 265.4162

0.0140

256.9317,
238.5907, 319.7567

■ 0.0000, 0.0000,
0.0000

■ 33.0746, 27.0319,
44.5488

■ 33.0746, 27.0319,
44.5488

■ 31.0412, 22.9646,
43.8712

■ 35.5045, 31.8911,
45.3591

■ 29.3809, 19.6441,
43.3177

■ 38.3476, 37.5773,
46.3069

■ 28.0718, 17.0259,
42.8813

■ 41.6229, 44.1278,
47.3987

■ 27.0887, 15.0597,
42.5535

■ 45.3472, 51.5766,
48.6403

■ 26.4029, 13.6882,
42.3248

■ 49.5368, 59.9557,
50.0369

■ 25.9810, 12.8443,
42.1841

■ 54.2068, 69.2957,
51.5936

■ 25.7608, 12.4040,
42.1106

■ 59.3718, 79.6257,
53.3154

■ 25.7412, 12.3648,
42.1041

■ 61.5015, 83.8849,
54.0253

■ 61.5015, 83.8849,
54.0254

Harmonies

Analogous

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



29.4405, 27.0319, 55.8588



33.0746, 27.0319, 44.5488



34.7309, 27.0319, 31.0990

Triad

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



33.0746, 27.0319, 44.5488



26.2683, 27.0319, 11.7238



19.0293, 27.0319, 40.9182

Complementary

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



33.0746, 27.0319, 44.5488



27.6855, 36.8922, 25.0652

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.



18.3771, 27.0319, 27.8279



33.0746, 27.0319, 44.5488



22.2778, 27.0319, 13.0182

Square

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



33.0746, 27.0319, 44.5488



30.5368, 27.0319, 13.9908



19.5005, 27.0319, 18.1937



21.3906, 27.0319, 53.3893

Rectangle

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



33.0746, 27.0319, 44.5488



34.3703, 27.0319, 23.4488



19.5005, 27.0319, 18.1937



18.6149, 27.0319, 36.3577

Sweetspot

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



33.0755, 27.0331, 44.5494



69.4481, 67.9504, 83.9506



23.6287, 22.1631, 44.1075



14.8814, 14.3878, 18.1371



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.



33.0755, 27.0331, 44.5494



57.4607, 43.9758, 79.9544



30.7845, 26.1167, 32.4853



8.8501, 8.6467, 10.7089



18.8865, 9.0722, 30.8921



0.5943, 0.2854, 0.9720

Inverse Universe

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



33.0755, 27.0331, 44.5494



57.4607, 43.9758, 79.9544



29.5292, 37.6297, 34.7737



8.8501, 8.6467, 10.7089



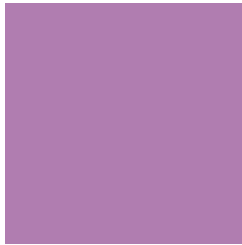
18.8865, 9.0722, 30.8921



0.5943, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 33.0746, 27.0319, 44.5488 looks on a white background.

Color Contrast Check

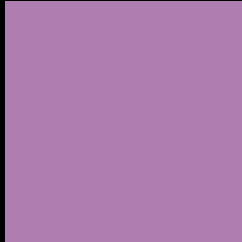
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.0746, 27.0319, 44.5488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

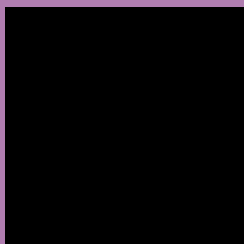
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.0746, 27.0319, 44.5488

Background



This preview shows how black text looks on a background with the XYZ color 33.0746, 27.0319, 44.5488.



This preview shows how white text looks on a background with the XYZ color 33.0746, 27.0319,

44.5488.

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

33.0746, 27.0319, 44.5488

Protanopia

27.7004, 27.3834, 50.8393

Deuteranopia

27.7599, 27.1451, 43.3116



Tritanopia

29.9283, 27.1134, 29.2472

Trichromacy



Original Color

33.0746, 27.0319, 44.5488

Protanomaly

29.2438, 26.9499, 48.4603

Deuteranomaly

29.4915, 26.9762, 43.6970

Tritanomaly

30.9166, 26.9178, 34.1380

Monochromacy



Original Color

33.0746, 27.0319, 44.5488

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

29.0789, 27.7794, 35.7276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0746, 27.0319, 44.5488 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(176, 125, 176)` looks like.

```
.text, #text, p{  
    color:rgb(176, 125, 176)  
}
```

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(176, 125, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 125, 176) }
```

Border

The CSS property to change the border of an element to XYZ 33.0746, 27.0319, 44.5488 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(176, 125, 176) }
```


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

```
.border{ border-color:rgb(176, 125, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 125, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 125, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 125, 176);  
box-shadow:4px 4px 4px 4px rgb(176, 125,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0746, 27.0319, 44.5488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 125, 176) }
```

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

```
.background{ background-color: rgb(176,  
125, 176) }
```

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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