

Converting Colors

XYZ(33.3319, 27.1906, 42.9573)

Have a look what the booklet for
XYZ(33.3319, 27.1906, 42.9573)
contains.

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Color

**XYZ(33.4668, 27.2681,
43.0345)**

Conversions

Conversions Part 1

Format	Color
Hex	B37DAD
RGB	179, 125, 173
RGB Percent	70%, 49%, 68%
CMY	0.2980, 0.5098, 0.3216
CMYK	0.00, 0.30, 0.03, 0.30
HSL	307°, 26%, 60%
HSV	307°, 30%, 70%
XYZ	33.4668, 27.2681, 43.0345
YIQ	146.6180, 16.7760, 26.3760

Conversions

Conversions Part 2

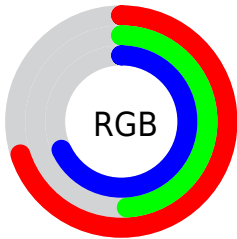
Format	Color
RYB	179, 125, 173
Decimal	11763117
CIELab	59.22, 28.84, -17.08
CIELCh	59, 33.519, 329.362
Yxy	27.2681, 0.3225, 0.2628
Android (android.graphics.Color)	4289953197 (0xFFB37DAD)
YUV	146.6180, 13.0063, 28.3990
Hunter-Lab	52.2189, 23.0167, -12.3087

Details

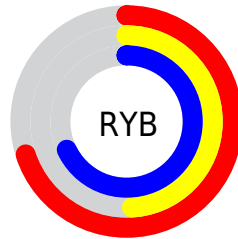
The XYZ color **33.4668, 27.2681, 43.0345** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.6754, 38.2396, 27.3440**, and the grayscale version is **27.5195, 28.9527, 31.5295**.

A 20% lighter version of the original color is **64.3242, 55.1601, 81.3855**, and **14.4247, 10.7726, 19.4082** is the 20% darker color. If you saturate the color by 10%, you get **31.2110, 23.0617, 41.3402**, and if you desaturate by 10%, it is **36.1356, 32.2948, 44.8811**.

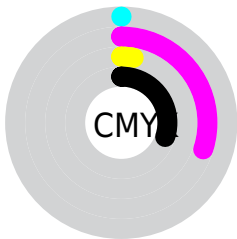
Distribution



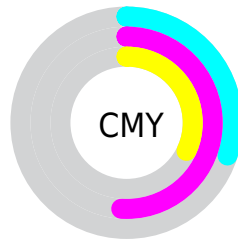
- Red (70%)
- Green (49%)
- Blue (68%)



- Red (70%)
- Yellow (49%)
- Blue (68%)



- Cyan (0%)
- Magenta (30%)
- Yellow (3%)
- Black (30%)



- Cyan (30%)
- Magenta (51%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4668, 27.2681, 43.0345 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 33.4668, 27.2681, 43.0345 by changing the saturation by 10% instead.

■ 33.4668, 27.2681,
43.0345

■ 33.4668, 27.2681,
43.0345

309.3759,
288.9529, 374.6790

■ 22.6452, 17.7747,
29.5806

■ 64.4534, 55.3138,
81.0498

■ 14.4510, 10.7883,
19.2711

■ 85.3492, 74.6348,
106.4483

■ 8.5188, 5.9247,
11.6875

■ 110.3338, 98.0005,
136.6654

■ 4.4833, 2.7993,
6.4114

139.7725,
125.7953, 172.1197

■ 1.9790, 1.0279,
3.0240

174.0307,
158.4035, 213.2296

■ 0.6221, 0.0000,
1.1069

213.4738,

■ 0.0000, 0.0000,

196.2096, 260.4138

0.0000

258.4670,
239.5979, 314.0908

■ 33.4668, 27.2681,
43.0345

■ 33.4668, 27.2681,
43.0345

■ 31.2110, 23.0617,
41.3402

■ 36.1356, 32.2948,
44.8811

■ 29.3435, 19.6280,
39.7892

■ 39.2350, 38.1788,
46.8852

■ 27.8414, 16.9203,
38.3740

■ 42.7850, 44.9591,
49.0537

■ 26.6778, 14.8852,
37.0856

■ 46.8033, 52.6715,
51.3927

■ 25.8224, 13.4621,
35.9138

■ 51.3067, 61.3495,
53.9077

■ 25.2394, 12.5792,
34.8467

■ 56.3114, 71.0253,
56.6043

■ 24.8582, 12.0908,
33.8747

■ 61.8325, 81.7293,
59.4875

■ 63.5264, 84.7741,
61.1095

■ 63.7438, 84.8611,
62.2539

Harmonies

Analogous

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



30.0619, 27.2681, 54.6116



33.4668, 27.2681, 43.0345



34.8144, 27.2681, 29.9473

Triad

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



33.4668, 27.2681, 43.0345



26.0071, 27.2681, 12.1079



19.5244, 27.2681, 42.4685

Complementary

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



33.4668, 27.2681, 43.0345



28.6754, 38.2396, 27.3440

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.



18.6823, 27.2681, 29.4348



33.4668, 27.2681, 43.0345



22.1727, 27.2681, 13.8072

Square

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



33.4668, 27.2681, 43.0345



30.2333, 27.2681, 13.9616



19.5985, 27.2681, 19.4363



22.0333, 27.2681, 54.2278

Rectangle

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



33.4668, 27.2681, 43.0345



34.2645, 27.2681, 22.6936



19.5985, 27.2681, 19.4363



19.0497, 27.2681, 37.9950

Sweetspot

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



33.4676, 27.2693, 43.0351



70.8753, 69.5330, 84.3494



24.7390, 22.7009, 45.7260



15.5115, 15.0413, 18.5679



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.4676, 27.2693, 43.0351



57.2533, 43.8201, 75.0882



31.1601, 26.3463, 30.8837



8.8085, 8.6301, 10.4902



17.5807, 8.5498, 24.0157



0.5647, 0.2736, 0.8162

Inverse Universe

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



33.4676, 27.2693, 43.0351



57.2533, 43.8201, 75.0882



30.6986, 39.0489, 37.9978



8.8085, 8.6301, 10.4902



17.5807, 8.5498, 24.0157



0.5647, 0.2736, 0.8162

Previews

White Background



This preview shows how the XYZ color 33.4668, 27.2681, 43.0345 looks on a white background.

Color Contrast Check

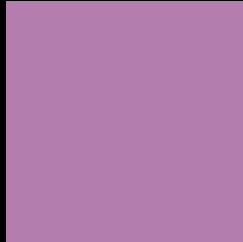
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.4668, 27.2681, 43.0345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

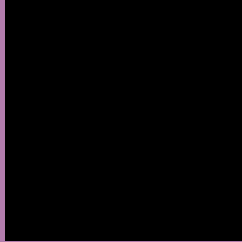
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.4668, 27.2681, 43.0345

Background



This preview shows how black text looks on a background with the XYZ color 33.4668, 27.2681, 43.0345.



This preview shows how white text looks on a background with the XYZ color 33.4668, 27.2681,

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

33.4668, 27.2681, 43.0345

Protanopia

27.6923, 27.4160, 49.1797

Deuteranopia

27.9615, 27.4981, 41.8641



Tritanopia

30.6032, 27.2696, 28.8499

Trichromacy



Original Color

33.4668, 27.2681, 43.0345

Protanomaly

29.2966, 27.0128, 46.8499

Deuteranomaly

29.7250, 27.3361, 42.2378

Tritanomaly

31.5045, 27.2305, 33.7325

Monochromacy



Original Color

33.4668, 27.2681, 43.0345

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.5314, 28.2365, 35.3462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4668, 27.2681, 43.0345 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(179, 125, 173)` looks like.

```
.text, #text, p{  
    color:rgb(179, 125, 173)  
}
```

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(179, 125, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 125, 173) }
```

Border

The CSS property to change the border of an element to XYZ 33.4668, 27.2681, 43.0345 is called "border". The border property can be set on classes, ids or directly on the HTML element.

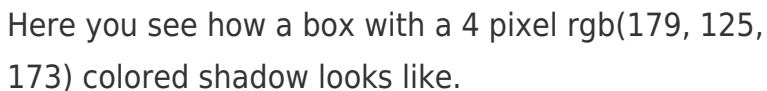
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 125, 173) }
```


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

```
.border{ border-color:rgb(179, 125, 173) }
```

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



Here you see how a box with a 4 pixel `rgb(179, 125, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 125, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 125, 173); box-shadow:4px 4px 4px 4px rgb(179, 125, 173) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4668, 27.2681, 43.0345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 125, 173) }
```

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

```
.background{ background-color: rgb(179,  
125, 173) }
```

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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