

Converting Colors

XYZ(34.6237, 27.1599, 39.5967)

Have a look what the booklet for
XYZ(34.6237, 27.1599, 39.5967)
contains.

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Color

**XYZ(34.7066, 27.2467,
39.5063)**

Conversions

Conversions Part 1

Format	Color
Hex	BD79A6
RGB	189, 121, 166
RGB Percent	74%, 47%, 65%
CMY	0.2588, 0.5255, 0.3490
CMYK	0.00, 0.36, 0.12, 0.26
HSL	320°, 34%, 61%
HSV	320°, 36%, 74%
XYZ	34.7066, 27.2467, 39.5063
YIQ	146.4620, 26.0830, 28.4110

Conversions

Conversions Part 2

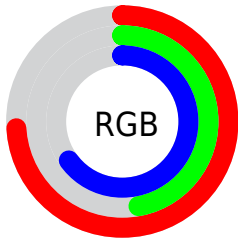
Format	Color
RYB	189, 121, 166
Decimal	12417446
CIELab	59.20, 33.23, -12.99
CIELCh	59, 35.680, 338.651
Yxy	27.2467, 0.3421, 0.2685
Android (android.graphics.Color)	4290607526 (0xFFBD79A6)
YUV	146.4620, 9.6322, 37.3058
Hunter-Lab	52.1984, 27.3372, -8.3347

Details

The XYZ color **34.7066, 27.2467, 39.5063** is a light color, and the websafe version is hex **996699**. A complement of this color would be **31.1180, 42.4746, 32.9457**, and the grayscale version is **27.4661, 28.8965, 31.4683**.

A 20% lighter version of the original color is **66.1932, 55.0854, 75.5504**, and **15.1220, 10.7897, 17.2052** is the 20% darker color. If you saturate the color by 10%, you get **32.0590, 22.8665, 35.8020**, and if you desaturate by 10%, it is **37.8349, 32.5409, 43.5152**.

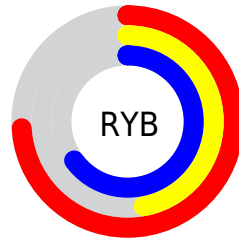
Distribution



Red (74%)

Green (47%)

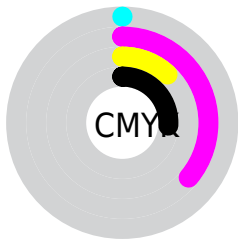
Blue (65%)



Red (74%)

Yellow (47%)

Blue (65%)

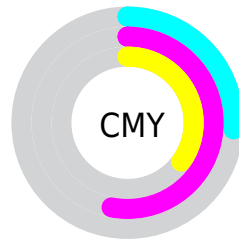


Cyan (0%)

Magenta (36%)

Yellow (12%)

Black (26%)



Cyan (26%)


Magenta (53%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7066, 27.2467, 39.5063 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 34.7066, 27.2467, 39.5063 by changing the saturation by 10% instead.


 34.7066, 27.2467,
39.5063


 34.7066, 27.2467,
39.5063


314.8021,
288.8496, 359.5283

 23.6024, 17.7586,
26.8430


 66.3680, 55.2795,
75.6400

 15.1621, 10.7768,
17.2239


 87.6560, 74.5930,
99.9474

 9.0203, 5.9170,
10.2306


 113.0692, 97.9503,
128.9733

 4.8116, 2.7946,
5.4445

142.9731,
125.7360, 163.1362

 2.1708, 1.0255,
2.4471

177.7329,
158.3344, 202.8546

 0.7273, 0.0000,
0.8119

217.7142,

 0.0000, 0.0000,

196.1298, 248.5470

0.0000

263.2821,
239.5068, 300.6321

■ 34.7066, 27.2467,
39.5063

■ 34.7066, 27.2467,
39.5063

■ 32.0590, 22.8665,
35.8020

■ 37.8349, 32.5409,
43.5152

■ 29.8629, 19.3438,
32.3898

■ 41.4662, 38.7941,
47.8374

■ 28.0896, 16.6211,
29.2581

■ 45.6242, 46.0527,
52.4830

■ 26.7057, 14.6328,
26.3938

■ 50.3303, 54.3591,
57.4611

■ 25.6727, 13.3025,
23.7818

■ 55.6048, 63.7530,
62.7804

■ 24.9418, 12.5331,
21.4034

■ 61.4670, 74.2723,
68.4492

■ 24.6927, 12.3014,
20.4986

■ 67.9350, 85.9530,
74.4753

■ 69.2898, 87.3563,
78.9542

■ 70.1385, 87.6957,
83.4235

Harmonies

Analogous

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



31.6140, 27.2467, 53.1993



34.7066, 27.2467, 39.5063



35.3051, 27.2467, 26.1335

Triad

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



34.7066, 27.2467, 39.5063



24.6321, 27.2467, 11.4439



19.7762, 27.2467, 47.7436

Complementary

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



34.7066, 27.2467, 39.5063



31.1180, 42.4746, 32.9457

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.



18.3293, 27.2467, 33.5055



34.7066, 27.2467, 39.5063



20.9147, 27.2467, 14.3560

Square

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



34.7066, 27.2467, 39.5063



29.1369, 27.2467, 12.2030



18.7209, 27.2467, 21.6142



22.9070, 27.2467, 58.8240

Rectangle

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



34.7066, 27.2467, 39.5063



34.1501, 27.2467, 19.4053



18.7209, 27.2467, 21.6142



19.0941, 27.2467, 43.0276

Sweetspot

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



34.7074, 27.2479, 39.5069



77.7202, 75.4912, 89.5970



27.4673, 23.2496, 51.1846



16.4992, 15.8605, 19.0269



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



34.7074, 27.2479, 39.5069



58.4295, 42.6104, 65.5926



32.0124, 26.1699, 25.3150



9.7891, 9.6399, 11.2782



16.6506, 8.2914, 13.9857



0.6816, 0.3365, 0.7026

Inverse Universe

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



34.7074, 27.2479, 39.5069



58.4295, 42.6104, 65.5926



34.0862, 43.6619, 48.5761



9.7891, 9.6399, 11.2782



16.6506, 8.2914, 13.9857



0.6816, 0.3365, 0.7026

Previews

White Background



This preview shows how the XYZ color 34.7066, 27.2467, 39.5063 looks on a white background.

Color Contrast Check

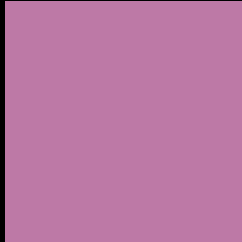
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.7066, 27.2467, 39.5063 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 34.7066, 27.2467, 39.5063

Background



This preview shows how black text looks on a background with the XYZ color 34.7066, 27.2467, 39.5063.



This preview shows how white text looks on a background with the XYZ color 34.7066, 27.2467,

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

34.7066, 27.2467, 39.5063

Protanopia

27.4360, 27.3316, 47.0095

Deuteranopia

27.8761, 27.3126, 38.4530



Tritanopia

32.2830, 27.3954, 26.8789

Trichromacy



Original Color

34.7066, 27.2467, 39.5063

Protanomaly

29.3998, 26.9176, 44.2035

Deuteranomaly

29.8524, 26.8642, 38.7339

Tritanomaly

33.0936, 27.3386, 31.1364

Monochromacy



Original Color

34.7066, 27.2467, 39.5063

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

29.5957, 27.8726, 33.9571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7066, 27.2467, 39.5063 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(189, 121, 166)` looks like.

```
.text, #text, p{  
    color:rgb(189, 121, 166)  
}
```

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(189, 121, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 121, 166) }
```

Border

The CSS property to change the border of an element to XYZ 34.7066, 27.2467, 39.5063 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(189, 121, 166) }
```


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

```
.border{ border-color:rgb(189, 121, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 121, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 121, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 121, 166);  
box-shadow:4px 4px 4px 4px rgb(189, 121,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7066, 27.2467, 39.5063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 121, 166) }
```

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

```
.background{ background-color: rgb(189,  
121, 166) }
```

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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