

Converting Colors

XYZ(34.4037, 27.6952, 47.1508)

Have a look what the booklet for
XYZ(34.4037, 27.6952, 47.1508)
contains.

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Color

**XYZ(34.4965, 27.7067,
47.2458)**

Conversions

Conversions Part 1

Format	Color
Hex	B47DB5
RGB	180, 125, 181
RGB Percent	71%, 49%, 71%
CMY	0.2941, 0.5098, 0.2902
CMYK	0.01, 0.31, 0.00, 0.29
HSL	299°, 27%, 60%
HSV	299°, 31%, 71%
XYZ	34.4965, 27.7067, 47.2458
YIQ	147.8290, 14.8040, 29.0760

Conversions

Conversions Part 2

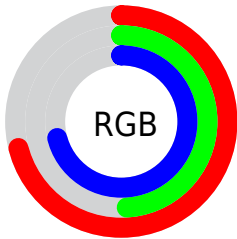
Format	Color
RYB	180, 125, 181
Decimal	11828661
CIELab	59.62, 30.69, -21.03
CIElCh	60, 37.208, 325.585
Yxy	27.7067, 0.3152, 0.2531
Android (android.graphics.Color)	4290018741 (0xFFB47DB5)
YUV	147.8290, 16.3533, 28.2140
Hunter-Lab	52.6372, 24.8675, -16.3712

Details

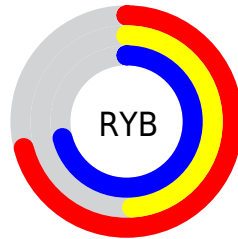
The XYZ color **34.4965, 27.7067, 47.2458** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.8306, 38.9647, 25.4048**, and the grayscale version is **28.0076, 29.4661, 32.0886**.

A 20% lighter version of the original color is **66.1315, 55.9597, 87.4366**, and **15.0165, 11.0263, 21.7589** is the 20% darker color. If you saturate the color by 10%, you get **32.3358, 23.4963, 46.5474**, and if you desaturate by 10%, it is **37.0766, 32.7547, 48.0846**.

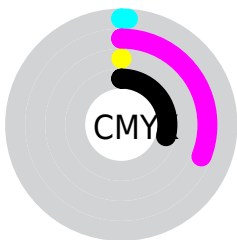
Distribution



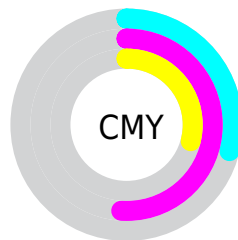
- Red (71%)
- Green (49%)
- Blue (71%)



- Red (71%)
- Yellow (49%)
- Blue (71%)



- Cyan (1%)
- Magenta (31%)
- Yellow (0%)
- Black (29%)





- Cyan (29%)
- Magenta (51%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4965, 27.7067, 47.2458 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 34.4965, 27.7067, 47.2458 by changing the saturation by 10% instead.


 34.4965, 27.7067,
47.2458


 34.4965, 27.7067,
47.2458

313.8874,
291.0628, 392.2169

 23.4400, 18.1047,
32.8743


 66.0442, 56.0158,
87.4342

 15.0412, 11.0252,
21.7598


 87.2661, 75.4917,
114.0882

 8.9348, 6.0838,
13.4839


 112.6072, 99.0277,
145.6734

 4.7555, 2.8961,
7.6280

142.4327,
127.0082, 182.6084

 2.1378, 1.0777,
3.7735

177.1082,
159.8175, 225.3117

 0.7096, 0.0000,
1.5019

216.9989,

 0.0000, 0.0000,

197.8401, 274.2019

0.2194

262.4702,
241.4604, 329.6974

■ 0.0000, 0.0000,
0.0000

■ 34.4965, 27.7067,
47.2458

■ 34.4965, 27.7067,
47.2458

■ 32.3358, 23.4963,
46.5474

■ 37.0766, 32.7547,
48.0846

■ 30.5693, 20.0745,
45.9800

■ 40.0946, 38.6785,
49.0689

■ 29.1729, 17.3927,
45.5360


■ 43.5708, 45.5187,
50.2060


■ 28.1189, 15.3955,
45.2060


■ 47.5237, 53.3118,
51.5019


■ 27.3759, 14.0200,
44.9797


■ 51.9706, 62.0928,
52.9624


 26.9065, 13.1913,
44.8445

 56.9280, 71.8946,
54.5931

 26.6480, 12.7741,
44.7776

 62.4117, 82.7486,
56.3991

 63.5306, 84.8728,
56.7501

 63.6073, 84.9123,
56.7537

Harmonies

Analogous

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



30.4239, 27.7067, 59.9726



34.4965, 27.7067, 47.2458



36.3878, 27.7067, 32.2001

Triad

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



34.4965, 27.7067, 47.2458



27.0347, 27.7067, 11.0492



19.0093, 27.7067, 42.7521

Complementary

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



34.4965, 27.7067, 47.2458



28.8306, 38.9647, 25.4048

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.



18.3276, 27.7067, 28.2230



34.4965, 27.7067, 47.2458



22.6288, 27.7067, 12.3547

Square

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



34.4965, 27.7067, 47.2458



31.7671, 27.7067, 13.4839



19.5734, 27.7067, 17.7986



21.5593, 27.7067, 56.8838

Rectangle

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



34.4965, 27.7067, 47.2458



36.0110, 27.7067, 23.7475



19.5734, 27.7067, 17.7986



18.5680, 27.7067, 37.6523

Sweetspot

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



34.4974, 27.7079, 47.2464



72.8593, 71.3387, 88.2242



24.3712, 22.8418, 46.8408



15.5644, 15.0589, 19.0086



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.



34.4974, 27.7079, 47.2464



59.1168, 44.4238, 83.7535



32.2957, 26.8542, 34.4339



8.8347, 8.6388, 10.7082



18.3771, 8.8095, 30.8688



0.5829, 0.2796, 0.9715

Inverse Universe

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



30.1564, 25.9985, 23.1686



50.1398, 40.8917, 33.8295



30.5790, 39.6471, 35.3770



8.5023, 8.5076, 8.8776



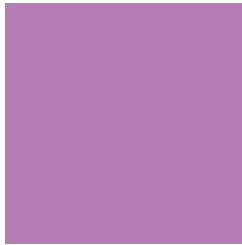
13.1518, 6.7783, 0.6936



0.4158, 0.2141, 0.0325

Previews

White Background



This preview shows how the XYZ color 34.4965, 27.7067, 47.2458 looks on a white background.

Color Contrast Check

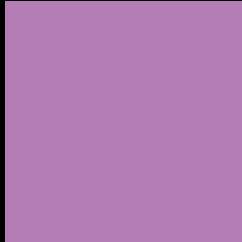
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.4965, 27.7067, 47.2458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

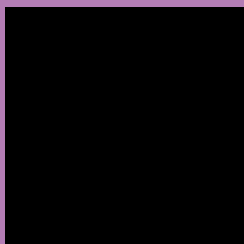
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.4965, 27.7067, 47.2458

Background



This preview shows how black text looks on a background with the XYZ color 34.4965, 27.7067, 47.2458.



This preview shows how white text looks on a background with the XYZ color 34.4965, 27.7067,

47.2458.

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

34.4965, 27.7067, 47.2458

Protanopia

28.4639, 27.9082, 54.9255

Deuteranopia

28.5453, 27.9268, 46.0054



Tritanopia

30.8884, 27.5997, 29.6859

Trichromacy



Original Color

34.4965, 27.7067, 47.2458

Protanomaly

30.2022, 27.5783, 51.8754

Deuteranomaly

30.3182, 27.5512, 46.3678

Tritanomaly

32.0675, 27.4819, 35.5127

Monochromacy



Original Color

34.4965, 27.7067, 47.2458

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

30.2205, 28.7678, 37.2177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4965, 27.7067, 47.2458 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(180, 125, 181)` looks like.

```
.text, #text, p{  
    color:rgb(180, 125, 181)  
}
```

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(180, 125, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 125, 181) }
```

Border

The CSS property to change the border of an element to XYZ 34.4965, 27.7067, 47.2458 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(180, 125, 181) }
```


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

```
.border{ border-color:rgb(180, 125, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 125, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 125, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 125, 181);  
box-shadow:4px 4px 4px 4px rgb(180, 125,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4965, 27.7067, 47.2458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 125, 181) }
```

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

```
.background{ background-color: rgb(180,  
125, 181) }
```

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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