

Converting Colors

XYZ(32.4640, 26.8964, 50.0185)

Have a look what the booklet for
XYZ(32.4640, 26.8964, 50.0185)
contains.

XYZ(32.6007, 27.0487, 49.9571)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.6007, 27.0487,
49.9571)**

Conversions

Conversions Part 1

Format	Color
Hex	A87FBA
RGB	168, 127, 186
RGB Percent	66%, 50%, 73%
CMY	0.3412, 0.5019, 0.2706
CMYK	0.10, 0.32, 0.00, 0.27
HSL	282°, 30%, 61%
HSV	282°, 32%, 73%
XYZ	32.6007, 27.0487, 49.9571
YIQ	145.9850, 5.4970, 27.0410

Conversions

Conversions Part 2

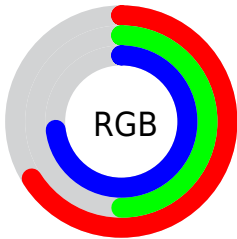
Format	Color
R _Y B	168, 127, 186
Decimal	11042746
CIE Lab	59.02, 26.64, -24.91
CIE LCh	59, 36.473, 316.918
Yxy	27.0487, 0.2974, 0.2468
Android (android.graphics.Color)	4289232826 (0xFFA87FBA)
YUV	145.9850, 19.7274, 19.3072
Hunter-Lab	52.0084, 20.8755, -20.5457

Details

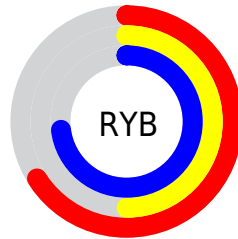
The XYZ color **32.6007, 27.0487, 49.9571** is a light color, and the websafe version is hex **996699**. A complement of this color would be **33.0677, 42.6706, 26.5733**, and the grayscale version is **27.2363, 28.6548, 31.2050**.

A 20% lighter version of the original color is **63.0887, 54.9006, 91.2761**, and **13.9577, 10.6460, 23.5095** is the 20% darker color. If you saturate the color by 10%, you get **29.2350, 22.0713, 49.1742**, and if you desaturate by 10%, it is **36.4644, 32.9425, 50.8915**.

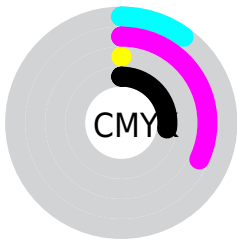
Distribution



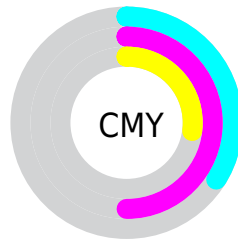
- Red (66%)
- Green (50%)
- Blue (73%)



- Red (66%)
- Yellow (50%)
- Blue (73%)



- Cyan (10%)
- Magenta (32%)
- Yellow (0%)
- Black (27%)



- Cyan (34%)
- Magenta (50%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6007, 27.0487, 49.9571 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 32.6007, 27.0487, 49.9571 by changing the saturation by 10% instead.

■ 32.6007, 27.0487,
49.9571

■ 32.6007, 27.0487,
49.9571

305.5435,
287.8928, 403.2284

■ 21.9785, 17.6098,
35.0084

■ 63.1105, 54.9620,
91.5070

■ 13.9576, 10.6702,
23.3857

■ 83.7288, 74.2052,
118.9452

■ 8.1727, 5.8455,
14.6706

■ 108.4098, 97.4853,
151.3836

■ 4.2584, 2.7514,
8.4445

137.5189,
125.1867, 189.2409

■ 1.8493, 1.0034,
4.2888

171.4215,
157.6937, 232.9354

■ 0.5471, 0.0000,
1.7851

210.4829,

■ 0.0000, 0.0000,

195.3908, 282.8858

0.4181

255.0684,
238.6624, 339.5107

■ 0.0000, 0.0000,
0.0000

■ 32.6007, 27.0487,
49.9571

■ 32.6007, 27.0487,
49.9571

■ 29.2350, 22.0713,
49.1742

■ 36.4644, 32.9425,
50.8915

■ 26.3394, 17.9575,
48.5328

■ 40.8465, 39.7947,
51.9831

■ 23.8875, 14.6547,
48.0245

■ 45.7698, 47.6487,
53.2396


■ 21.8486, 12.1027,
47.6393

■ 51.2545, 56.5446,
54.6676


■ 20.1877, 10.2326,
47.3659

■ 57.3198, 66.5198,
56.2734


 18.8636, 8.9628,
47.1906

 63.9842, 77.6101,
58.0628

 17.9549, 8.2322,
47.0975

 70.5580, 88.4352,
59.8057

 72.1795, 89.2711,
59.8816

 73.8586, 90.1367,
59.9602

Harmonies

Analogous

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



28.3246, 27.0487, 60.2964



32.6007, 27.0487, 49.9571



35.1477, 27.0487, 35.4581

Triad

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



32.6007, 27.0487, 49.9571



27.7287, 27.0487, 11.2388



18.2519, 27.0487, 37.3130

Complementary

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



32.6007, 27.0487, 49.9571



33.0677, 42.6706, 26.5733

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.



18.1322, 27.0487, 24.1646



32.6007, 27.0487, 49.9571



23.2595, 27.0487, 11.4675

Square

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



32.6007, 27.0487, 49.9571



32.1206, 27.0487, 14.7448



19.8642, 27.0487, 15.5011



20.2130, 27.0487, 51.6536

Rectangle

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



32.6007, 27.0487, 49.9571



35.3481, 27.0487, 26.5511



19.8642, 27.0487, 15.5011



18.0038, 27.0487, 32.5556

Sweetspot

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



32.6016, 27.0498, 49.9577



75.3570, 74.2198, 94.5555



27.8465, 28.5186, 50.4918



16.3301, 15.9254, 20.7558



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.



32.6016, 27.0498, 49.9577



54.7818, 42.6218, 89.5409



35.5958, 28.7213, 44.3203



9.1070, 9.0215, 11.3408



12.1584, 5.5791, 31.6891



0.4885, 0.2275, 1.1199

Inverse Universe

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



32.9508, 27.6633, 30.3921



55.7053, 44.0221, 47.8282



30.8864, 41.4602, 30.3511



9.1144, 9.0561, 9.9499



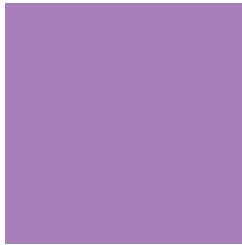
14.1457, 7.2320, 3.3882



0.5271, 0.2663, 0.2694

Previews

White Background



This preview shows how the XYZ color 32.6007, 27.0487, 49.9571 looks on a white background.

Color Contrast Check

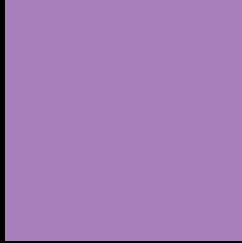
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.6007, 27.0487, 49.9571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

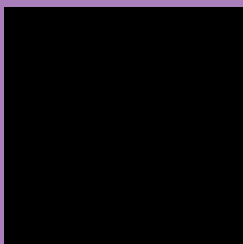
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.6007, 27.0487, 49.9571

Background



This preview shows how black text looks on a background with the XYZ color 32.6007, 27.0487, 49.9571.



This preview shows how white text looks on a background with the XYZ color 32.6007, 27.0487,

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

32.6007, 27.0487, 49.9571

Protanopia

27.9461, 27.1773, 55.9974

Deuteranopia

27.8613, 27.2852, 49.1455



Tritanopia

28.6751, 27.0537, 30.4986

Trichromacy



Original Color

32.6007, 27.0487, 49.9571

Protanomaly

29.1629, 26.7964, 53.5043

Deuteranomaly

29.2750, 26.9417, 49.5563

Tritanomaly

29.9063, 26.9331, 36.8801

Monochromacy



Original Color

32.6007, 27.0487, 49.9571

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.9921, 27.9085, 37.5770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6007, 27.0487, 49.9571 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(168, 127, 186)` looks like.

```
.text, #text, p{  
    color:rgb(168, 127, 186)  
}
```

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(168, 127, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 127, 186) }
```

Border

The CSS property to change the border of an element to XYZ 32.6007, 27.0487, 49.9571 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(168, 127, 186) }
```


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

```
.border{ border-color:rgb(168, 127, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 127, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 127, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 127, 186);  
box-shadow:4px 4px 4px 4px rgb(168, 127,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6007, 27.0487, 49.9571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 127, 186) }
```

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

```
.background{ background-color: rgb(168,  
127, 186) }
```

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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