

Converting Colors

XYZ(16.2834, 12.5582, 27.6565)

Have a look what the booklet for
XYZ(16.2834, 12.5582, 27.6565)
contains.

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Color

**XYZ(16.2966, 12.5348,
27.5471)**

Conversions

Conversions Part 1

Format	Color
Hex	7B548F
RGB	123, 84, 143
RGB Percent	48%, 33%, 56%
CMY	0.5176, 0.6706, 0.4392
CMYK	0.14, 0.41, 0.00, 0.44
HSL	280°, 26%, 45%
HSV	280°, 41%, 56%
XYZ	16.2966, 12.5348, 27.5471
YIQ	102.3870, 4.3050, 26.6170

Conversions

Conversions Part 2

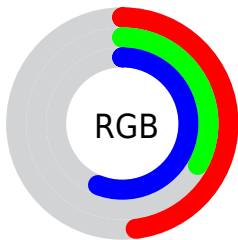
Format	Color
R_{YB}	123, 84, 143
Decimal	8082575
CIE _{Lab}	42.05, 27.54, -26.40
CIE _{LCh}	42, 38.151, 316.211
Yxy	12.5348, 0.2891, 0.2223
Android (android.graphics.Color)	4286272655 (0xFF7B548F)
YUV	102.3870, 20.0222, 18.0776
Hunter-Lab	35.4045, 20.2051, -21.3484

Details

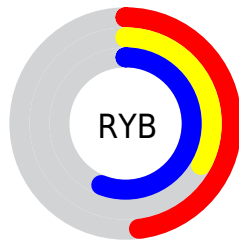
The XYZ color **16.2966, 12.5348, 27.5471** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **17.1321, 23.2284, 11.9687**, and the grayscale version is **12.6794, 13.3397, 14.5269**.

A 20% lighter version of the original color is **36.5076, 30.3115, 56.7499**, and **5.3410, 3.5123, 10.5217** is the 20% darker color. If you saturate the color by 10%, you get **14.6217, 10.1887, 27.1827**, and if you desaturate by 10%, it is **18.2334, 15.3528, 27.9892**.

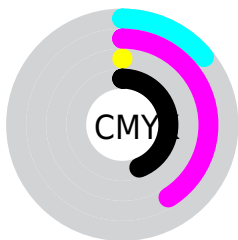
Distribution



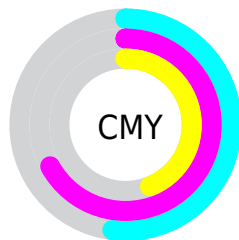
- Red (48%)
- Green (33%)
- Blue (56%)



- Red (48%)
- Yellow (33%)
- Blue (56%)



- Cyan (14%)
- Magenta (41%)
- Yellow (0%)
- Black (44%)



- Cyan (52%)
- Magenta (67%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2966, 12.5348, 27.5471 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 16.2966, 12.5348, 27.5471 by changing the saturation by 10% instead.

■ 16.2966, 12.5348,
27.5471

■ 16.2966, 12.5348,
27.5471

224.3217,
207.9144, 304.1400

■ 9.8265, 7.1090,
17.7485

■ 36.6657, 30.4655,
56.7749

■ 5.3454, 3.5304,
10.6020

■ 51.2953, 43.7391,
77.0412

■ 2.4882, 1.4145,
5.6891

■ 69.3754, 60.3975,
101.6338

■ 0.8893, 0.2274,
2.5913

■ 91.2715, 80.8250,
130.9712

■ 0.0000, 0.0000,
0.8879

■ 117.3488,
105.4061, 165.4719

■ 0.0000, 0.0000,
0.0000

147.9727,

134.5251, 205.5546

183.5086,
168.5664, 251.6378

■ 16.2966, 12.5348,
27.5471

■ 16.2966, 12.5348,
27.5471

■ 14.6217, 10.1887,
27.1827

■ 18.2334, 15.3528,
27.9892

■ 13.1928, 8.2850,
26.8906

■ 20.4438, 18.6669,
28.5123

■ 11.9947, 6.7931,
26.6658

■ 22.9407, 22.5013,
29.1209

■ 11.0092, 5.6779,
26.5025

■ 25.7354, 26.8783,
29.8184

■ 10.2154, 4.8978,
26.3937

■ 28.8387, 31.8189,
30.6085

■ 9.6281, 4.3907,
26.3268

■ 32.2609, 37.3426,
31.4943

■ 36.0116, 43.4685,
32.4790

■ 40.1003, 50.2145,
33.5656

■ 44.5357, 57.5977,
34.7570

Harmonies

Analogous

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



13.5009, 12.5348, 34.7883



16.2966, 12.5348, 27.5471



18.0285, 12.5348, 17.7163

Triad

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



16.2966, 12.5348, 27.5471



13.2606, 12.5348, 3.4099



7.4100, 12.5348, 18.4852

Complementary

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



16.2966, 12.5348, 27.5471



17.1321, 23.2284, 11.9687

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.



7.3666, 12.5348, 10.2562



16.2966, 12.5348, 27.5471



10.4565, 12.5348, 3.4781

Square

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



16.2966, 12.5348, 27.5471



16.0968, 12.5348, 5.1977



8.3972, 12.5348, 5.4466



8.5268, 12.5348, 28.2986

Rectangle

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



16.2966, 12.5348, 27.5471



18.1939, 12.5348, 12.0285



8.3972, 12.5348, 5.4466



7.2762, 12.5348, 15.4072

Sweetspot

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



16.2970, 12.5353, 27.5474



40.6137, 39.5687, 52.0350



13.6306, 13.9006, 27.9514



9.1931, 8.8875, 11.9031



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.2970, 12.5353, 27.5474



26.2405, 18.3224, 48.6916



18.8119, 13.9062, 24.3021



5.4511, 5.4207, 6.7878



8.5359, 3.8940, 23.2788



0.1052, 0.0494, 0.2237

Inverse Universe

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



16.9971, 13.1803, 14.7455



27.8849, 19.7709, 21.6236



15.4482, 22.3177, 13.8153



5.4796, 5.4524, 6.0237



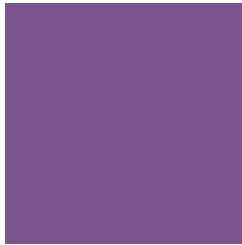
10.5053, 5.3591, 3.0463



0.1100, 0.0550, 0.0793

Previews

White Background



This preview shows how the XYZ color 16.2966, 12.5348, 27.5471 looks on a white background.

Color Contrast Check

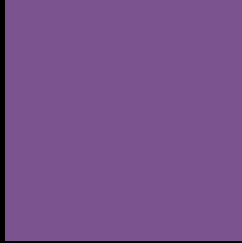
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 16.2966, 12.5348, 27.5471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

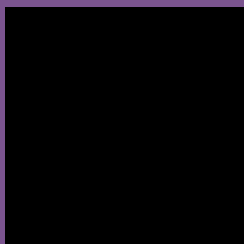
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.2966, 12.5348, 27.5471

Background



This preview shows how black text looks on a background with the XYZ color 16.2966, 12.5348, 27.5471.



This preview shows how white text looks on a background with the XYZ color 16.2966, 12.5348,

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

16.2966, 12.5348, 27.5471

Protanopia

13.4249, 12.7307, 32.3216

Deuteranopia

12.8476, 12.5601, 26.5581



Tritanopia

13.4171, 12.4618, 13.7548

Trichromacy



Original Color

16.2966, 12.5348, 27.5471

Protanomaly

14.1387, 12.4636, 30.5147

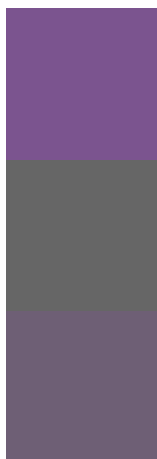
Deuteranomaly

13.8677, 12.4044, 26.8627

Tritanomaly

14.4163, 12.4952, 18.1750

Monochromacy



Original Color

16.2966, 12.5348, 27.5471

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.7335, 12.7838, 18.5733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2966, 12.5348, 27.5471 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(123, 84, 143)` looks like.

```
.text, #text, p{  
    color:rgb(123, 84, 143)  
}
```

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(123, 84, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 84, 143) }
```

Border

The CSS property to change the border of an element to XYZ 16.2966, 12.5348, 27.5471 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(123, 84, 143) }
```


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

```
.border{ border-color:rgb(123, 84, 143) }
```

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

Here you see how a box with a 4 pixel rgb(123, 84, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 84, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 84, 143);  
box-shadow:4px 4px 4px 4px rgb(123, 84,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2966, 12.5348, 27.5471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 84, 143) }
```

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

```
.background{ background-color: rgb(123, 84,  
143) }
```

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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