

Converting Colors

XYZ(28.5076, 16.5841, 49.5184)

Have a look what the booklet for
XYZ(28.5076, 16.5841, 49.5184)
contains.

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Color

**XYZ(28.5398, 16.6438,
49.2853)**

Conversions

Conversions Part 1

Format	Color
Hex	AE43BC
RGB	174, 67, 188
RGB Percent	68%, 26%, 74%
CMY	0.3176, 0.7372, 0.2627
CMYK	0.07, 0.64, 0.00, 0.26
HSL	293°, 47%, 50%
HSV	293°, 64%, 74%
XYZ	28.5398, 16.6438, 49.2853
YIQ	112.7870, 24.9310, 60.3150

Conversions

Conversions Part 2

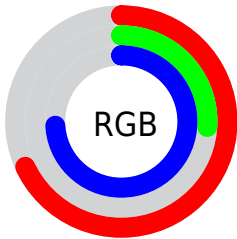
Format	Color
R_{YB}	174, 67, 188
Decimal	11420604
CIE _{Lab}	47.81, 59.78, -43.55
CIE _{LCh}	48, 73.962, 323.929
Yxy	16.6438, 0.3021, 0.1762
Android (android.graphics.Color)	4289610684 (0xFFAE43BC)
YUV	112.7870, 37.0800, 53.6838
Hunter-Lab	40.7968, 53.4770, -43.0685

Details

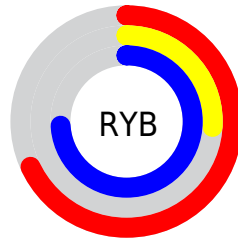
The XYZ color **28.5398, 16.6438, 49.2853** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **22.3902, 38.1214, 11.4890**, and the grayscale version is **15.5223, 16.3307, 17.7841**.

A 20% lighter version of the original color is **56.7197, 37.6674, 90.6673**, and **11.7743, 5.5728, 23.0093** is the 20% darker color. If you saturate the color by 10%, you get **27.1176, 14.5125, 48.9491**, and if you desaturate by 10%, it is **30.3338, 19.5059, 49.7434**.

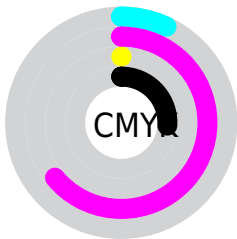
Distribution



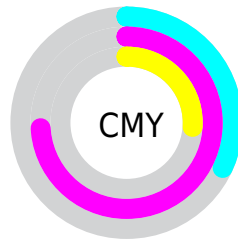
- Red (68%)
- Green (26%)
- Blue (74%)



- Red (68%)
- Yellow (26%)
- Blue (74%)



- Cyan (7%)
- Magenta (64%)
- Yellow (0%)
- Black (26%)





- Cyan (32%)
- Magenta (74%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5398, 16.6438, 49.2853 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 28.5398, 16.6438, 49.2853 by changing the saturation by 10% instead.

 28.5398, 16.6438,
49.2853


 28.5398, 16.6438,
49.2853


287.0709,
233.1113, 400.5191


 18.8755, 9.9809,
34.4787


 56.7478, 37.7123,
90.5004

 11.6838, 5.3863,
22.9812


 76.0221, 52.8867,
117.7460


 6.5994, 2.4756,
14.3745


 99.2305, 71.6670,
149.9749

 3.2570, 0.8644,
8.2399

 126.7383, 94.4376,
187.6057

 1.2911, 0.0000,
4.1588

 158.9109,
121.5830, 231.0570

 0.1765, 0.0000,
1.7129

196.1137,

 0.0000, 0.0000,

153.4874, 280.7473

0.3695

238.7119,
190.5354, 337.0952

■ 0.0000, 0.0000,
0.0000

■ 28.5398, 16.6438,
49.2853

■ 28.5398, 16.6438,
49.2853

■ 27.1176, 14.5125,
48.9491

■ 30.3338, 19.5059,
49.7434

■ 26.0288, 13.0368,
48.7217

■ 32.5294, 23.1602,
50.3331

■ 25.2295, 12.1287,
48.5885

■ 35.1557, 27.6640,
51.0640

■ 24.8553, 11.7648,
48.5380

■ 38.2382, 33.0685,
51.9447

■ 41.8007, 39.4212,
52.9831

■ 45.8653, 46.7659,
54.1865

■ 50.4524, 55.1439,
55.5619

■ 55.5816, 64.5940,
57.1156

■ 61.2714, 75.1532,
58.8539

Harmonies

Analogous

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



21.5811, 16.6438, 76.2665



28.5398, 16.6438, 49.2853



32.2063, 16.6438, 22.2692

Triad

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



28.5398, 16.6438, 49.2853



17.2079, 16.6438, 0.6209



6.7865, 16.6438, 37.3573

Complementary

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



28.5398, 16.6438, 49.2853



22.3902, 38.1214, 11.4890

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.



6.2198, 16.6438, 14.5250



28.5398, 16.6438, 49.2853



11.1871, 16.6438, 1.0381

Square

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



28.5398, 16.6438, 49.2853



24.5863, 16.6438, 1.7250



7.5835, 16.6438, 3.9964



9.4321, 16.6438, 66.6276

Rectangle

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



28.5398, 16.6438, 49.2853



31.7210, 16.6438, 10.6709



7.5835, 16.6438, 3.9964



6.3842, 16.6438, 28.4214

Sweetspot

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



28.5404, 16.6445, 49.2857



72.4490, 65.5240, 95.0551



14.3436, 10.7271, 48.8917



15.1899, 13.3967, 20.3278



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.



28.5404, 16.6445, 49.2857



48.3087, 25.1249, 88.5296



27.6004, 16.6478, 27.1999



9.8183, 9.6387, 12.0152



16.9631, 8.0309, 33.0490



0.6957, 0.3307, 1.2960

Inverse Universe

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



24.2319, 15.3004, 9.4613



40.3946, 22.7861, 9.4980



23.3008, 38.3610, 21.9134



9.5739, 9.5538, 10.1450



14.2318, 7.3239, 1.2484



0.5725, 0.2929, 0.1280

Previews

White Background



This preview shows how the XYZ color 28.5398, 16.6438, 49.2853 looks on a white background.

Color Contrast Check

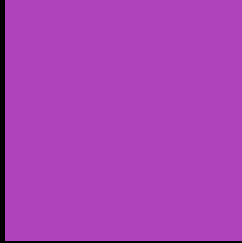
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5398, 16.6438, 49.2853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

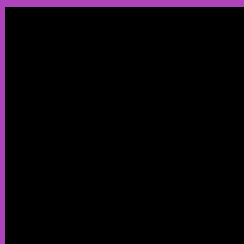
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.5398, 16.6438, 49.2853

Background



This preview shows how black text looks on a background with the XYZ color 28.5398, 16.6438, 49.2853.



This preview shows how white text looks on a background with the XYZ color 28.5398, 16.6438,

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

28.5398, 16.6438, 49.2853

Protanopia

20.3656, 17.1262, 77.0952

Deuteranopia

17.3974, 16.9496, 45.5347



Tritanopia

21.3189, 16.5353, 14.1246

Trichromacy



Original Color

28.5398, 16.6438, 49.2853



Protanomaly

19.7481, 14.7055, 66.0876



Deuteranomaly

19.6320, 15.4790, 46.7528



Tritanomaly

23.2715, 16.2221, 23.7344

Monochromacy



Original Color

28.5398, 16.6438, 49.2853



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

18.9082, 15.4101, 26.7888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5398, 16.6438, 49.2853 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(174, 67, 188)` looks like.

```
.text, #text, p{  
    color:rgb(174, 67, 188)  
}
```

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(174, 67, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 67, 188) }
```

Border

The CSS property to change the border of an element to XYZ 28.5398, 16.6438, 49.2853 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(174, 67, 188) }
```


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

```
.border{ border-color:rgb(174, 67, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 67, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 67, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 67, 188);  
box-shadow:4px 4px 4px 4px rgb(174, 67,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5398, 16.6438, 49.2853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 67, 188) }
```

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

```
.background{ background-color: rgb(174, 67,  
188) }
```

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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