

Converting Colors

XYZ(17.6700, 16.4040, 28.2219)

Have a look what the booklet for
XYZ(17.6700, 16.4040, 28.2219)
contains.

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Color

**XYZ(17.6868, 16.3501,
28.2103)**

Conversions

Conversions Part 1

Format	Color
Hex	766B8F
RGB	118, 107, 143
RGB Percent	46%, 42%, 56%
CMY	0.5373, 0.5804, 0.4392
CMYK	0.17, 0.25, 0.00, 0.44
HSL	258°, 14%, 49%
HSV	258°, 25%, 56%
XYZ	17.6868, 16.3501, 28.2103
YIQ	114.3930, -5.0000, 13.5280

Conversions

Conversions Part 2

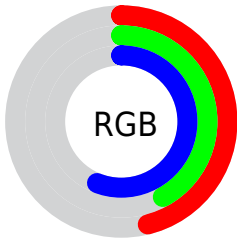
Format	Color
R _Y B	118, 107, 143
Decimal	7760783
CIE Lab	47.43, 12.05, -18.14
CIE LCh	47, 21.775, 303.597
Yxy	16.3501, 0.2841, 0.2627
Android (android.graphics.Color)	4285950863 (0xFF766B8F)
YUV	114.3930, 14.1033, 3.1633
Hunter-Lab	40.4353, 7.3160, -13.0599

Details

The XYZ color **17.6868, 16.3501, 28.2103** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **21.9926, 25.6124, 17.6952**, and the grayscale version is **16.0727, 16.9097, 18.4147**.

A 20% lighter version of the original color is **39.0995, 37.1429, 57.9318**, and **6.0459, 5.2872, 11.0578** is the 20% darker color. If you saturate the color by 10%, you get **15.0392, 12.9523, 27.6943**, and if you desaturate by 10%, it is **20.7241, 20.3156, 28.8159**.

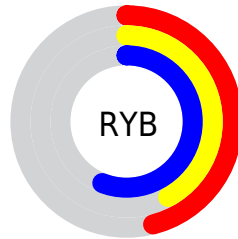
Distribution



Red (46%)

Green (42%)

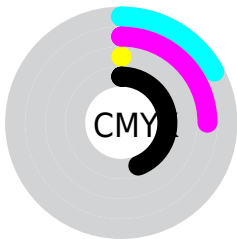
Blue (56%)



Red (46%)

Yellow (42%)

Blue (56%)

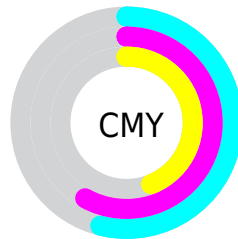


Cyan (17%)

Magenta (25%)

Yellow (0%)

Black (44%)



Cyan (54%)

Magenta (58%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6868, 16.3501, 28.2103 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 17.6868, 16.3501, 28.2103 by changing the saturation by 10% instead.

■ 17.6868, 16.3501,
28.2103

■ 17.6868, 16.3501,
28.2103

232.1796,
231.3988, 307.4139

■ 10.8237, 9.7722,
18.2438

■ 39.0372, 37.2049,
57.8472

■ 6.0148, 5.2482,
10.9539

■ 54.2552, 52.2507,
78.3546

■ 2.8948, 2.3936,
5.9221

■ 72.9888, 70.8879,
103.2128

■ 1.0984, 0.8226,
2.7297

■ 95.6035, 93.5008,
132.8403

■ 0.0238, 0.0000,
0.9583

122.4646,
120.4740, 167.6556

■ 0.0000, 0.0000,
0.0000

153.9374,

152.1918, 208.0773

190.3873,
189.0386, 254.5239

■ 17.6868, 16.3501,
28.2103

■ 17.6868, 16.3501,
28.2103

■ 15.0392, 12.9523,
27.6943

■ 20.7241, 20.3156,
28.8159

■ 12.7631, 10.0938,
27.2625

■ 24.1649, 24.8714,
29.5139

■ 10.8414, 7.7464,
26.9107

■ 28.0243, 30.0416,
30.3084

■ 9.2548, 5.8790,
26.6338

■ 32.3163, 35.8481,
31.2030

■ 7.9820, 4.4565,
26.4264

■ 37.0539, 42.3116,
32.2009

6.9991, 3.4390,
26.2818

42.2499, 49.4523,
33.3053

6.2748, 2.7732,
26.1914

47.9162, 57.2891,
34.5193

5.9835, 2.5118,
26.1563

54.0647, 65.8403,
35.8458

60.7064, 75.1235,
37.2876

Harmonies

Analogous

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



15.7744, 16.3501, 30.6643



17.6868, 16.3501, 28.2103



19.1089, 16.3501, 22.9622

Triad

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



17.6868, 16.3501, 28.2103



17.2506, 16.3501, 9.8754



12.1213, 16.3501, 18.4780

Complementary

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



17.6868, 16.3501, 28.2103



21.9926, 25.6124, 17.6952

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.



12.4461, 16.3501, 13.4801



17.6868, 16.3501, 28.2103



15.3085, 16.3501, 9.1587

Square

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



17.6868, 16.3501, 28.2103



18.8428, 16.3501, 12.5427



13.5749, 16.3501, 10.3327



12.6481, 16.3501, 24.3589

Rectangle

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



17.6868, 16.3501, 28.2103



19.5300, 16.3501, 19.0149



13.5749, 16.3501, 10.3327



12.1347, 16.3501, 16.6427

Sweetspot

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



17.6873, 16.3508, 28.2107



41.3517, 41.9827, 52.4620



19.3003, 21.6663, 29.1517



9.2833, 9.3629, 11.9901



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.



17.6873, 16.3508, 28.2107



29.0008, 25.8351, 49.9962



20.3370, 17.7167, 28.3347



5.2749, 5.3299, 6.7795



5.3099, 2.2310, 23.1278



0.0712, 0.0318, 0.2221

Inverse Universe

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



20.7508, 18.0217, 24.2154



35.4791, 29.3723, 41.3787



19.4423, 24.2977, 17.5759



5.5570, 5.4833, 6.4314



12.0298, 5.9689, 11.0743



0.1249, 0.0610, 0.1578

Previews

White Background



This preview shows how the XYZ color 17.6868, 16.3501, 28.2103 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 17.6868, 16.3501, 28.2103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

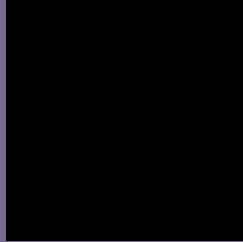
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.6868, 16.3501, 28.2103

Background



This preview shows how black text looks on a background with the XYZ color 17.6868, 16.3501, 28.2103.



This preview shows how white text looks on a background with the XYZ color 17.6868, 16.3501,

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

17.6868, 16.3501, 28.2103

Protanopia

16.4663, 16.3278, 29.4778

Deuteranopia

16.6428, 16.2930, 27.8589



Tritanopia

16.0140, 16.3024, 20.0719

Trichromacy



Original Color

17.6868, 16.3501, 28.2103

Protanomaly

16.8711, 16.3843, 29.0614

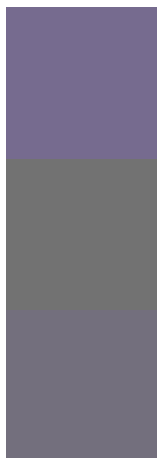
Deuteranomaly

17.0332, 16.3350, 27.8464

Tritanomaly

16.5424, 16.3552, 22.7071

Monochromacy



Original Color

17.6868, 16.3501, 28.2103

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.4563, 16.4944, 21.7184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6868, 16.3501, 28.2103 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(118, 107, 143)` looks like.

```
.text, #text, p{  
    color:rgb(118, 107, 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(118, 107, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 107, 143) }
```

Border

The CSS property to change the border of an element to XYZ 17.6868, 16.3501, 28.2103 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(118, 107, 143) }
```


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

```
.border{ border-color:rgb(118, 107, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 107, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 107, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 107, 143);  
box-shadow:4px 4px 4px 4px rgb(118, 107,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6868, 16.3501, 28.2103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 107, 143) }
```

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

```
.background{ background-color: rgb(118,  
107, 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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