

Converting Colors

XYZ(23.5830, 16.1198, 28.0425)

Have a look what the booklet for
XYZ(23.5830, 16.1198, 28.0425)
contains.

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Color

**XYZ(23.5682, 16.1690,
27.8653)**

Conversions

Conversions Part 1

Format	Color
Hex	A5538F
RGB	165, 83, 143
RGB Percent	65%, 33%, 56%
CMY	0.3529, 0.6745, 0.4392
CMYK	0.00, 0.50, 0.13, 0.35
HSL	316°, 33%, 49%
HSV	316°, 50%, 65%
XYZ	23.5682, 16.1690, 27.8653
YIQ	114.3580, 29.6120, 36.0440

Conversions

Conversions Part 2

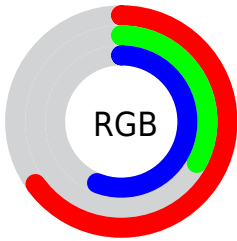
Format	Color
R_{YB}	165, 83, 143
Decimal	10834831
CIE _{Lab}	47.20, 41.73, -18.02
CIE _{LCh}	47, 45.454, 336.642
Yxy	16.1690, 0.3486, 0.2392
Android (android.graphics.Color)	4289024911 (0xFFA5538F)
YUV	114.3580, 14.1205, 44.4130
Hunter-Lab	40.2107, 34.2533, -12.9394

Details

The XYZ color **23.5682, 16.1690, 27.8653** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.5729, 29.7697, 18.0804**, and the grayscale version is **16.0549, 16.8910, 18.3943**.

A 20% lighter version of the original color is **48.8662, 36.8888, 57.3680**, and **9.0478, 5.2028, 10.8833** is the 20% darker color. If you saturate the color by 10%, you get **22.1241, 13.8066, 25.7618**, and if you desaturate by 10%, it is **25.3270, 19.1390, 30.1393**.

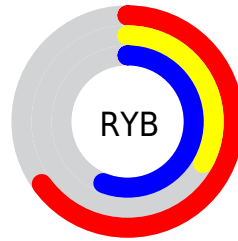
Distribution



Red (65%)

Green (33%)

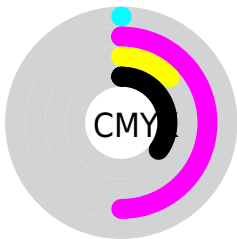
Blue (56%)



Red (65%)

Yellow (33%)

Blue (56%)

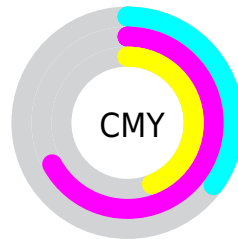


Cyan (0%)

Magenta (50%)

Yellow (13%)

Black (35%)



Cyan (35%)

Magenta (67%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5682, 16.1690, 27.8653 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 23.5682, 16.1690, 27.8653 by changing the saturation by 10% instead.

■ 23.5682, 16.1690,
27.8653

■ 23.5682, 16.1690,
27.8653

263.1113,
230.3369, 305.7144

■ 15.1366, 9.6438,
17.9860

■ 48.7845, 36.8913,
57.2898

■ 9.0023, 5.1634,
10.7706

■ 66.2999, 51.8573,
77.6721

■ 4.7998, 2.3435,
5.8006

■ 87.5739, 70.4056,
102.3925

■ 2.1638, 0.7966,
2.6574

■ 112.9719, 92.9208,
131.8695

■ 0.7236, 0.0000,
0.9219

■ 142.8594,
119.7871, 166.5216

■ 0.0000, 0.0000,
0.0000

177.6015,

151.3889, 206.7674

217.5637,
188.1107, 253.0255

■ 23.5682, 16.1690,
27.8653

■ 23.5682, 16.1690,
27.8653

■ 22.1241, 13.8066,
25.7618

■ 25.3270, 19.1390,
30.1393

■ 20.9712, 12.0063,
23.8199

■ 27.4187, 22.7535,
32.5901

■ 20.0856, 10.7195,
22.0308


■ 29.8617, 27.0490,
35.2248


■ 19.4380, 9.8886,
20.3842


■ 32.6727, 32.0587,
38.0496


■ 18.9655, 9.3875,
18.8581


■ 35.8674, 37.8136,
41.0705

 18.9518, 9.3732,
18.8127

 39.4605, 44.3430,
44.2930

 43.4658, 51.6743,
47.7225

 47.8967, 59.8339,
51.3640

 52.7656, 68.8467,
55.2224

Harmonies

Analogous

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



20.4321, 16.1690, 41.8621



23.5682, 16.1690, 27.8653



24.3464, 16.1690, 15.1778

Triad

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



23.5682, 16.1690, 27.8653



14.4953, 16.1690, 3.5360



9.9848, 16.1690, 34.3006

Complementary

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



23.5682, 16.1690, 27.8653



19.5729, 29.7697, 18.0804

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.



8.9231, 16.1690, 20.2788



23.5682, 16.1690, 27.8653



11.2187, 16.1690, 5.1837

Square

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



23.5682, 16.1690, 27.8653



18.6246, 16.1690, 4.1356



9.3320, 16.1690, 10.2349



12.5153, 16.1690, 46.5684

Rectangle

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



23.5682, 16.1690, 27.8653



23.3213, 16.1690, 9.4582



9.3320, 16.1690, 10.2349



9.4663, 16.1690, 29.4488

Sweetspot

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



23.5687, 16.1698, 27.8656



55.6218, 52.2466, 65.2779



15.6956, 11.8992, 37.0671



11.9452, 11.0401, 14.0529



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.5687, 16.1698, 27.8656



39.3017, 24.2146, 45.6316



21.0158, 15.1486, 14.4223



7.2828, 7.1696, 8.4758



14.3587, 7.0995, 14.3453



0.3197, 0.1564, 0.3962

Inverse Universe

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



23.5687, 16.1698, 27.8656



39.3017, 24.2146, 45.6316



22.2009, 30.8209, 31.9193



7.2828, 7.1696, 8.4758



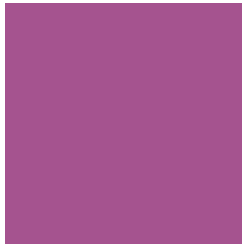
14.3587, 7.0995, 14.3453



0.3197, 0.1564, 0.3962

Previews

White Background



This preview shows how the XYZ color 23.5682, 16.1690, 27.8653 looks on a white background.

Color Contrast Check

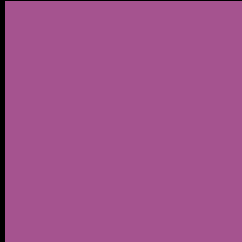
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5682, 16.1690, 27.8653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

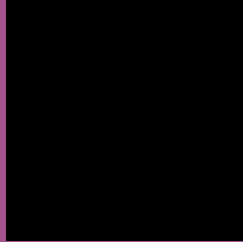
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.5682, 16.1690, 27.8653

Background



This preview shows how black text looks on a background with the XYZ color 23.5682, 16.1690, 27.8653.



This preview shows how white text looks on a background with the XYZ color 23.5682, 16.1690,

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

23.5682, 16.1690, 27.8653

Protanopia

17.1046, 16.4821, 37.4018

Deuteranopia

16.5938, 16.3018, 26.3167



Tritanopia

20.6637, 16.2031, 13.8428

Trichromacy



Original Color

23.5682, 16.1690, 27.8653

Protanomaly

18.4002, 15.7007, 33.5132

Deuteranomaly

18.4967, 15.7536, 26.8768

Tritanomaly

21.5672, 16.0639, 18.1836

Monochromacy



Original Color

23.5682, 16.1690, 27.8653

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

18.2248, 16.1677, 21.5622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5682, 16.1690, 27.8653 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(165, 83, 143)` looks like.

```
.text, #text, p{  
    color:rgb(165, 83, 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(165, 83, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 83, 143) }
```

Border

The CSS property to change the border of an element to XYZ 23.5682, 16.1690, 27.8653 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(165, 83, 143) }
```


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

```
.border{ border-color:rgb(165, 83, 143) }
```

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

Here you see how a box with a 4 pixel rgb(165, 83, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 83, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 83, 143);  
box-shadow:4px 4px 4px 4px rgb(165, 83,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5682, 16.1690, 27.8653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 83, 143) }
```

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

```
.background{ background-color: rgb(165, 83,  
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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