

Converting Colors

XYZ(23.5321, 16.0925, 27.8538)

Have a look what the booklet for
XYZ(23.5321, 16.0925, 27.8538)
contains.

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Color

**XYZ(23.4923, 16.0171,
27.8400)**

Conversions

Conversions Part 1

Format	Color
Hex	A5528F
RGB	165, 82, 143
RGB Percent	65%, 32%, 56%
CMY	0.3529, 0.6784, 0.4392
CMYK	0.00, 0.50, 0.13, 0.35
HSL	316°, 34%, 48%
HSV	316°, 50%, 65%
XYZ	23.4923, 16.0171, 27.8400
YIQ	113.7710, 29.8870, 36.5670

Conversions

Conversions Part 2

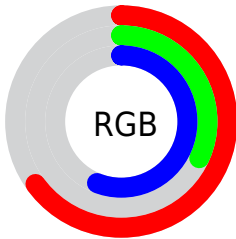
Format	Color
R _Y B	165, 82, 143
Decimal	10834575
CIE Lab	47.00, 42.25, -18.32
CIE LCh	47, 46.050, 336.551
Yxy	16.0171, 0.3488, 0.2378
Android (android.graphics.Color)	4289024655 (0xFFA5528F)
YUV	113.7710, 14.4099, 44.9278
Hunter-Lab	40.0214, 34.7410, -13.2288

Details

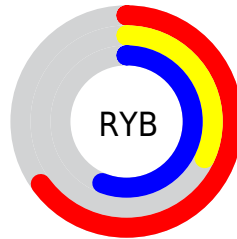
The XYZ color **23.4923, 16.0171, 27.8400** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.4343, 29.7042, 17.8072**, and the grayscale version is **15.8782, 16.7051, 18.1918**.

A 20% lighter version of the original color is **48.7273, 36.6110, 57.3217**, and **8.9956, 5.0984, 10.8659** is the 20% darker color. If you saturate the color by 10%, you get **22.0696, 13.6914, 25.7628**, and if you desaturate by 10%, it is **25.2281, 18.9478, 30.0856**.

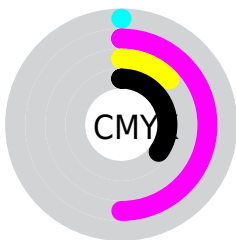
Distribution



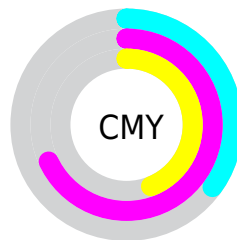
- Red (65%)
- Green (32%)
- Blue (56%)



- Red (65%)
- Yellow (32%)
- Blue (56%)



- Cyan (0%)
- Magenta (50%)
- Yellow (13%)
- Black (35%)



- Cyan (35%)
- Magenta (68%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4923, 16.0171, 27.8400 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 23.4923, 16.0171, 27.8400 by changing the saturation by 10% instead.

■ 23.4923, 16.0171,
27.8400

■ 23.4923, 16.0171,
27.8400

262.7319,
229.4426, 305.5894

■ 15.0801, 9.5363,
17.9671

■ 48.6612, 36.6279,
57.2489

■ 8.9623, 5.0926,
10.7572

■ 66.1486, 51.5266,
77.6220

■ 4.7735, 2.3017,
5.7917

■ 87.3917, 70.0001,
102.3322

■ 2.1484, 0.7746,
2.6521

■ 112.7561, 92.4327,
131.7981

■ 0.7153, 0.0000,
0.9192

■ 142.6069,
119.2089, 166.4383

■ 0.0000, 0.0000,
0.0000

177.3096,

150.7130, 206.6712

217.2295,
187.3294, 252.9154

■ 23.4923, 16.0171,
27.8400

■ 23.4923, 16.0171,
27.8400

■ 22.0696, 13.6914,
25.7628

■ 25.2281, 18.9478,
30.0856

■ 20.9365, 11.9247,
23.8451

■ 27.2954, 22.5207,
32.5060

■ 20.0686, 10.6683,
22.0780

■ 29.7125, 26.7723,
35.1081

■ 19.4366, 9.8637,
20.4512

■ 32.4965, 31.7362,
37.8984

■ 18.9846, 9.3864,
18.9850

■ 35.6629, 37.4432,
40.8826

■ 39.2264, 43.9229,
44.0664

■ 43.2010, 51.2027,
47.4551

■ 47.6000, 59.3091,
51.0536

■ 52.4361, 68.2671,
54.8669

Harmonies

Analogous

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



20.3179, 16.0171, 42.0176



23.4923, 16.0171, 27.8400



24.2878, 16.0171, 15.0297

Triad

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



23.4923, 16.0171, 27.8400



14.3572, 16.0171, 3.3816



9.8109, 16.0171, 34.2662

Complementary

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



23.4923, 16.0171, 27.8400



19.4343, 29.7042, 17.8072

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.



8.7526, 16.0171, 20.0948



23.4923, 16.0171, 27.8400



11.0613, 16.0171, 5.0005

Square

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



23.4923, 16.0171, 27.8400



18.5186, 16.0171, 3.9789



9.1663, 16.0171, 10.0183



12.3449, 16.0171, 46.7316

Rectangle

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



23.4923, 16.0171, 27.8400



23.2565, 16.0171, 9.2851



9.1663, 16.0171, 10.0183



9.2932, 16.0171, 29.3528

Sweetspot

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



23.4928, 16.0179, 27.8403



55.6344, 52.2517, 65.3442



15.3745, 11.6209, 37.0304



11.9483, 11.0414, 14.0692



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.



23.4928, 16.0179, 27.8403



39.3440, 24.2315, 45.8542



20.9707, 15.0090, 14.5589



7.2838, 7.1700, 8.4808



14.3833, 7.1094, 14.4748



0.3201, 0.1565, 0.3981

Inverse Universe

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



23.4928, 16.0179, 27.8403



39.3440, 24.2315, 45.8542



21.9887, 30.7259, 31.2583



7.2838, 7.1700, 8.4808



14.3833, 7.1094, 14.4748



0.3201, 0.1565, 0.3981

Previews

White Background



This preview shows how the XYZ color 23.4923, 16.0171, 27.8400 looks on a white background.

Color Contrast Check

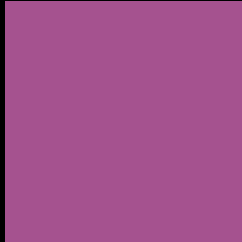
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4923, 16.0171, 27.8400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

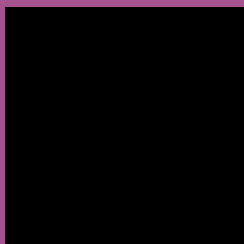
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.4923, 16.0171, 27.8400

Background



This preview shows how black text looks on a background with the XYZ color 23.4923, 16.0171, 27.8400.



This preview shows how white text looks on a background with the XYZ color 23.4923, 16.0171,

27.8400.

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

23.4923, 16.0171, 27.8400

Protanopia

16.8929, 16.2119, 37.3608

Deuteranopia

16.4701, 16.2380, 26.3109



Tritanopia

20.5765, 16.0287, 13.8137

Trichromacy



Original Color

23.4923, 16.0171, 27.8400

Protanomaly

18.3037, 15.5077, 33.4811

Deuteranomaly

18.3441, 15.6749, 26.8697

Tritanomaly

21.4845, 15.8986, 18.1560

Monochromacy



Original Color

23.4923, 16.0171, 27.8400

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

18.1259, 15.9700, 21.5292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4923, 16.0171, 27.8400 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, 82, 143)` looks like.

```
.text, #text, p{  
    color:rgb(165, 82, 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, 82, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 82, 143) }
```

Border

The CSS property to change the border of an element to XYZ 23.4923, 16.0171, 27.8400 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, 82, 143) }
```


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

```
.border{ border-color:rgb(165, 82, 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, 82, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 82, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 82, 143);  
box-shadow:4px 4px 4px 4px rgb(165, 82,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4923, 16.0171, 27.8400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 82, 143) }
```

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

```
.background{ background-color: rgb(165, 82,  
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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