

Converting Colors

XYZ(23.7239, 16.2120, 19.2955)

Have a look what the booklet for
XYZ(23.7239, 16.2120, 19.2955)
contains.

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Color

**XYZ(23.7278, 16.2154,
19.3321)**

Conversions

Conversions Part 1

Format	Color
Hex	AE5177
RGB	174, 81, 119
RGB Percent	68%, 32%, 47%
CMY	0.3176, 0.6823, 0.5333
CMYK	0.00, 0.53, 0.32, 0.32
HSL	335°, 36%, 50%
HSV	335°, 53%, 68%
XYZ	23.7278, 16.2154, 19.3321
YIQ	113.1390, 43.2300, 31.5340

Conversions

Conversions Part 2

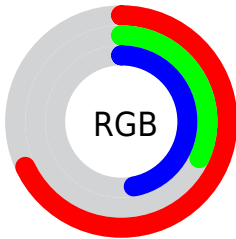
Format	Color
R_{YB}	174, 81, 119
Decimal	11424119
CIE _{Lab}	47.26, 42.18, -3.35
CIE _{LCh}	47, 42.308, 355.462
Yxy	16.2154, 0.4003, 0.2736
Android (android.graphics.Color)	4289614199 (0xFFAE5177)
YUV	113.1390, 2.8895, 53.3751
Hunter-Lab	40.2683, 34.7101, -0.2762

Details

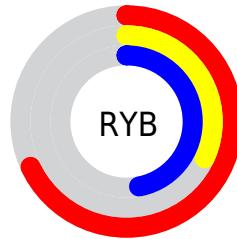
The XYZ color **23.7278, 16.2154, 19.3321** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **22.9741, 33.7995, 28.6073**, and the grayscale version is **15.7204, 16.5391, 18.0111**.

A 20% lighter version of the original color is **49.0169, 36.8711, 43.0614**, and **9.0238, 5.1370, 6.4772** is the 20% darker color. If you saturate the color by 10%, you get **22.0116, 13.7190, 15.8741**, and if you desaturate by 10%, it is **25.8432, 19.4028, 23.2536**.

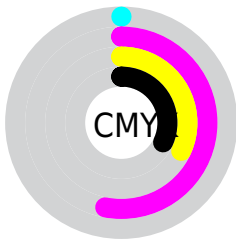
Distribution



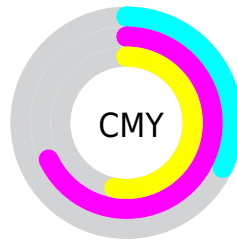
- Red (68%)
- Green (32%)
- Blue (47%)



- Red (68%)
- Yellow (32%)
- Blue (47%)



- Cyan (0%)
- Magenta (53%)
- Yellow (32%)
- Black (32%)





- Cyan (32%)
- Magenta (68%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7278, 16.2154, 19.3321 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 23.7278, 16.2154, 19.3321 by changing the saturation by 10% instead.


 23.7278, 16.2154,
19.3321

 23.7278, 16.2154,
19.3321


263.9075,
230.6094, 260.7596


 15.2555, 9.6767,
11.7313


 49.0436, 36.9717,
43.1387


 9.0864, 5.1851,
6.4406


 66.6177, 51.9582,
60.1815


 4.8551, 2.3563,
3.0417

 87.9565, 70.5293,
81.2087

 2.1964, 0.8033,
1.1160

 113.4253, 93.0696,
106.6388

 0.7408, 0.0000,
0.0000

 143.3894,
119.9633, 136.8904

 0.0000, 0.0000,
0.0000

178.2143,

151.5949, 172.3821

218.2652,
188.3488, 213.5323

■ 23.7278, 16.2154,
19.3321

■ 23.7278, 16.2154,
19.3321

■ 22.0116, 13.7190,
15.8741

■ 25.8432, 19.4028,
23.2536

■ 20.6651, 11.8585,
12.8591

■ 28.3815, 23.3257,
27.6562

■ 19.6570, 10.5746,
10.2655

■ 31.3661, 28.0279,
32.5573

■ 18.9494, 9.7952,
8.0691

■ 34.8183, 33.5488,
37.9733

■ 18.5960, 9.4548,
6.8217

■ 38.7580, 39.9254,
43.9197

■ 43.2039, 47.1921,
50.4111

■ 48.1735, 55.3818,
57.4618

■ 53.6839, 64.5253,
65.0854

■ 59.7509, 74.6523,
73.2950

Harmonies

Analogous

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



22.1100, 16.2154, 32.0556



23.7278, 16.2154, 19.3321



22.8400, 16.2154, 10.2135

Triad

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



23.7278, 16.2154, 19.3321



12.5290, 16.2154, 4.8431



11.6919, 16.2154, 40.5669

Complementary

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



23.7278, 16.2154, 19.3321



22.9741, 33.7995, 28.6073

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.



9.7996, 16.2154, 28.0445



23.7278, 16.2154, 19.3321



10.2254, 16.2154, 8.3805

Square

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



23.7278, 16.2154, 19.3321



15.9870, 16.2154, 4.0726



9.3094, 16.2154, 16.0793



14.8515, 16.2154, 47.0813

Rectangle

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



23.7278, 16.2154, 19.3321



21.0120, 16.2154, 6.6863



9.3094, 16.2154, 16.0793



10.9079, 16.2154, 36.7248

Sweetspot

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



23.7283, 16.2162, 19.3324



61.2915, 57.8574, 65.9954



20.6151, 14.1134, 41.6823



13.3383, 12.4038, 14.2240



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.7283, 16.2162, 19.3324



39.4689, 24.2370, 27.8156



22.4930, 16.6968, 9.8228



8.1358, 8.0676, 9.0260



13.5157, 6.8688, 5.0951



0.4036, 0.2021, 0.2870

Inverse Universe

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



23.7283, 16.2162, 19.3324



39.4689, 24.2370, 27.8156



24.7156, 32.1693, 44.9513



8.1358, 8.0676, 9.0260



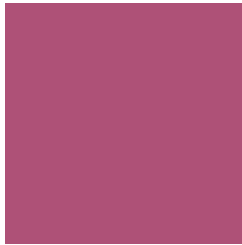
13.5157, 6.8688, 5.0951



0.4036, 0.2021, 0.2870

Previews

White Background



This preview shows how the XYZ color 23.7278, 16.2154, 19.3321 looks on a white background.

Color Contrast Check

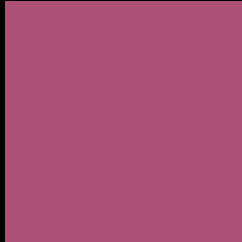
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7278, 16.2154, 19.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

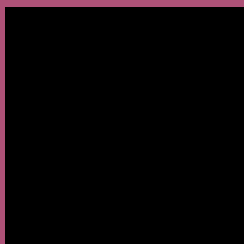
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.7278, 16.2154, 19.3321

Background



This preview shows how black text looks on a background with the XYZ color 23.7278, 16.2154, 19.3321.



This preview shows how white text looks on a background with the XYZ color 23.7278, 16.2154,

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

23.7278, 16.2154, 19.3321

Protanopia

16.3255, 16.4875, 26.3667

Deuteranopia

16.6743, 16.3631, 18.1992



Tritanopia

22.2728, 16.1989, 12.0780

Trichromacy



Original Color

23.7278, 16.2154, 19.3321

Protanomaly

18.1105, 15.7713, 23.5624

Deuteranomaly

18.7696, 15.9354, 18.6096

Tritanomaly

22.8022, 16.1842, 14.4924

Monochromacy



Original Color

23.7278, 16.2154, 19.3321

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.7399, 15.6961, 18.3143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7278, 16.2154, 19.3321 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, 81, 119)` looks like.

```
.text, #text, p{  
    color:rgb(174, 81, 119)  
}
```

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, 81, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 81, 119) }
```

Border

The CSS property to change the border of an element to XYZ 23.7278, 16.2154, 19.3321 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, 81, 119) }
```


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

```
.border{ border-color:rgb(174, 81, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 81, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 81, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 81, 119);  
box-shadow:4px 4px 4px 4px rgb(174, 81,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7278, 16.2154, 19.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 81, 119) }
```

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

```
.background{ background-color: rgb(174, 81,  
119) }
```

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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