

Converting Colors

XYZ(19.1288, 12.6432, 13.3531)

Have a look what the booklet for
XYZ(19.1288, 12.6432, 13.3531)
contains.

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Color

**XYZ(19.2195, 12.7165,
13.2459)**

Conversions

Conversions Part 1

Format	Color
Hex	A24463
RGB	162, 68, 99
RGB Percent	64%, 27%, 39%
CMY	0.3647, 0.7333, 0.6118
CMYK	0.00, 0.58, 0.39, 0.36
HSL	340°, 41%, 45%
HSV	340°, 58%, 64%
XYZ	19.2195, 12.7165, 13.2459
YIQ	99.6400, 46.0730, 29.5690

Conversions

Conversions Part 2

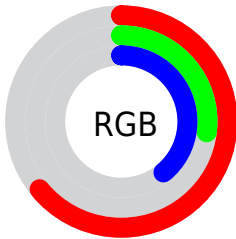
Format	Color
R _Y B	162, 68, 99
Decimal	10634339
CIE Lab	42.33, 42.04, 1.47
CIE LCh	42, 42.066, 2.009
Yxy	12.7165, 0.4254, 0.2815
Android (android.graphics.Color)	4288824419 (0xFFA24463)
YUV	99.6400, -0.3155, 54.6897
Hunter-Lab	35.6602, 33.7994, 2.9390

Details

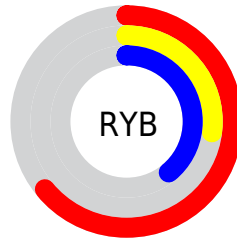
The XYZ color **19.2195, 12.7165, 13.2459** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **19.4017, 28.7085, 25.9933**, and the grayscale version is **12.0146, 12.6403, 13.7653**.

A 20% lighter version of the original color is **41.7367, 30.8506, 32.6092**, and **6.8375, 3.6458, 3.7115** is the 20% darker color. If you saturate the color by 10%, you get **17.8869, 10.8270, 10.4105**, and if you desaturate by 10%, it is **20.8933, 15.1767, 16.5397**.

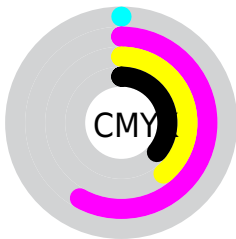
Distribution



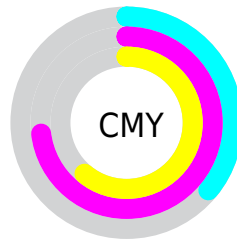
- Red (64%)
- Green (27%)
- Blue (39%)



- Red (64%)
- Yellow (27%)
- Blue (39%)



- Cyan (0%)
- Magenta (58%)
- Yellow (39%)
- Black (36%)



- Cyan (36%)
- Magenta (73%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2195, 12.7165, 13.2459 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 19.2195, 12.7165, 13.2459 by changing the saturation by 10% instead.

■ 19.2195, 12.7165,
13.2459

■ 19.2195, 12.7165,
13.2459

240.5728,
209.0927, 223.7505

■ 11.9339, 7.2336,
7.4654

■ 41.6187, 30.7935,
32.4425

■ 6.7706, 3.6086,
3.6720

■ 57.4630, 44.1564,
46.6956

■ 3.3641, 1.4571,
1.4472

■ 76.8910, 60.9148,
64.6101

■ 1.3491, 0.2583,
0.1781

■ 100.2679, 81.4531,
86.6044

■ 0.2195, 0.0000,
0.0000

■ 127.9592,
106.1556, 113.0970

■ 0.0000, 0.0000,
0.0000

160.3302,

135.4068, 144.5065

197.7463,
169.5910, 181.2515

■ 19.2195, 12.7165,
13.2459

■ 19.2195, 12.7165,
13.2459

■ 17.8869, 10.8270,
10.4105

■ 20.8933, 15.1767,
16.5397

■ 16.8689, 9.4592,
8.0107

■ 22.9302, 18.2473,
20.3116

■ 16.1360, 8.5593,
6.0221

■ 25.3515, 21.9666,
24.5812

■ 15.6383, 8.0323,
4.4124

■ 28.1762, 26.3693,
29.3665

■ 15.5525, 7.9423,
4.1323

■ 31.4224, 31.4876,
34.6845

■ 35.1067, 37.3516,
40.5516

■ 39.2452, 43.9897,
46.9832

■ 43.8528, 51.4289,
53.9944

■ 48.9439, 59.6946,
61.5994

Harmonies

Analogous

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



18.2738, 12.7165, 23.7055



19.2195, 12.7165, 13.2459



17.9950, 12.7165, 6.5278

Triad

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



19.2195, 12.7165, 13.2459



9.1479, 12.7165, 3.7212



9.4572, 12.7165, 35.5511

Complementary

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



19.2195, 12.7165, 13.2459



19.4017, 28.7085, 25.9933

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.



7.6378, 12.7165, 25.2476



19.2195, 12.7165, 13.2459



7.4823, 12.7165, 7.1880

Square

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



19.2195, 12.7165, 13.2459



11.8752, 12.7165, 2.7296



6.9812, 12.7165, 14.4642



12.3006, 12.7165, 39.4782

Rectangle

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



19.2195, 12.7165, 13.2459



16.2185, 12.7165, 4.1713



6.9812, 12.7165, 14.4642



8.7239, 12.7165, 32.5479

Sweetspot

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



19.2198, 12.7172, 13.2461



51.5381, 48.4771, 53.9547



17.8978, 11.5424, 35.4668



11.3422, 10.5224, 11.7296



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.



19.2198, 12.7172, 13.2461



31.7997, 18.7328, 17.3711



19.0887, 14.3885, 7.2410



7.1656, 7.1227, 7.8585



12.2709, 6.2644, 3.3511



0.2789, 0.1401, 0.1814

Inverse Universe

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



19.2198, 12.7172, 13.2461



31.7997, 18.7328, 17.3711



19.2363, 24.4987, 37.8971



7.1656, 7.1227, 7.8585



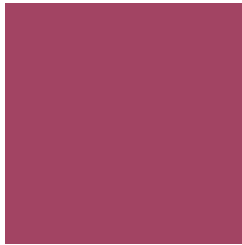
12.2709, 6.2644, 3.3511



0.2789, 0.1401, 0.1814

Previews

White Background



This preview shows how the XYZ color 19.2195, 12.7165, 13.2459 looks on a white background.

Color Contrast Check

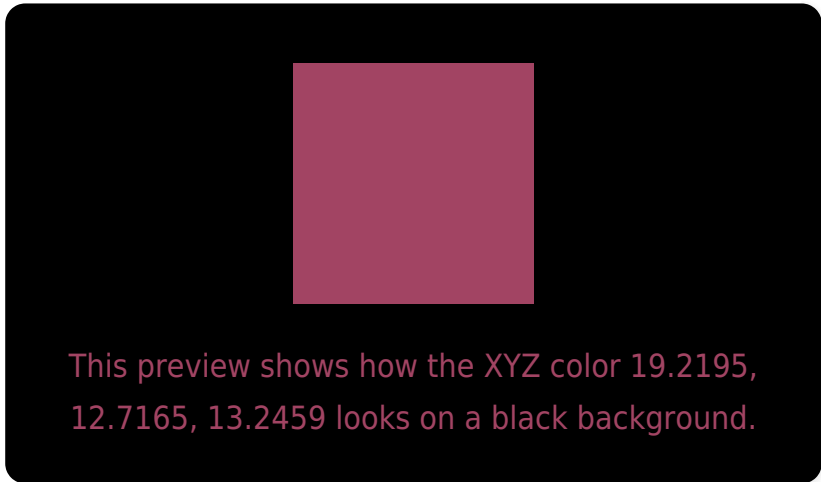
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

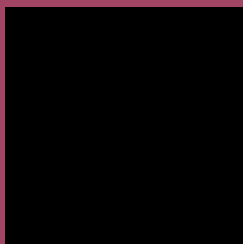
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.2195, 12.7165, 13.2459

Background



This preview shows how black text looks on a background with the XYZ color 19.2195, 12.7165, 13.2459.

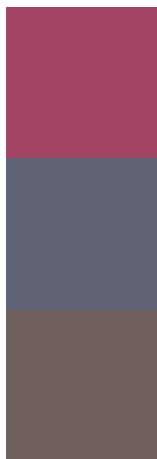


This preview shows how white text looks on a background with the XYZ color 19.2195, 12.7165,

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

19.2195, 12.7165, 13.2459

Protanopia

12.7570, 12.9637, 18.9694

Deuteranopia

13.1051, 12.8683, 12.3828



Tritanopia

18.1541, 12.6441, 8.5049

Trichromacy



Original Color

19.2195, 12.7165, 13.2459

Protanomaly

14.2441, 12.1921, 16.6415

Deuteranomaly

14.7992, 12.3254, 12.6654

Tritanomaly

18.5909, 12.7394, 10.0734

Monochromacy



Original Color

19.2195, 12.7165, 13.2459

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.9584, 12.1105, 13.6585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2195, 12.7165, 13.2459 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(162, 68, 99)` looks like.

```
.text, #text, p{  
    color:rgb(162, 68, 99)  
}
```

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(162, 68, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 68, 99) }
```

Border

The CSS property to change the border of an element to XYZ 19.2195, 12.7165, 13.2459 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(162, 68, 99) }
```


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

```
.border{ border-color:rgb(162, 68, 99) }
```

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

Here you see how a box with a 4 pixel rgb(162, 68, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 68, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 68, 99);  
box-shadow:4px 4px 4px 4px rgb(162, 68,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2195, 12.7165, 13.2459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 68, 99) }
```

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

```
.background{ background-color: rgb(162, 68,  
99) }
```

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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