

Converting Colors

XYZ(18.9686, 13.9327, 16.4414)

Have a look what the booklet for
XYZ(18.9686, 13.9327, 16.4414)
contains.

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Color

**XYZ(18.9686, 13.9327,
16.4414)**

Conversions

Conversions Part 1

Format	Color
Hex	99526E
RGB	153, 82, 110
RGB Percent	60%, 32%, 43%
CMY	0.4000, 0.6784, 0.5686
CMYK	0.00, 0.46, 0.28, 0.40
HSL	336°, 30%, 46%
HSV	336°, 46%, 60%
XYZ	18.9686, 13.9327, 16.4414
YIQ	106.4210, 33.3280, 23.7600

Conversions

Conversions Part 2

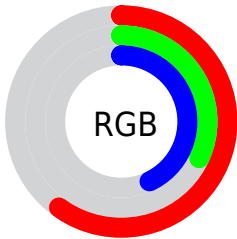
Format	Color
R _Y B	153, 82, 110
Decimal	10048110
CIE Lab	44.14, 32.98, -2.82
CIE LCh	44, 33.105, 355.116
Yxy	13.9327, 0.3844, 0.2824
Android (android.graphics.Color)	4288238190 (0xFF99526E)
YUV	106.4210, 1.7644, 40.8498
Hunter-Lab	37.3265, 25.3887, 0.0128

Details

The XYZ color **18.9686, 13.9327, 16.4414** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **18.5732, 26.0572, 23.4540**, and the grayscale version is **13.8045, 14.5234, 15.8160**.

A 20% lighter version of the original color is **41.1150, 32.9036, 37.9022**, and **6.6966, 4.1559, 5.1518** is the 20% darker color. If you saturate the color by 10%, you get **17.4624, 11.6860, 13.5789**, and if you desaturate by 10%, it is **20.7856, 16.7164, 19.6681**.

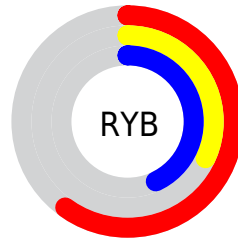
Distribution



Red (60%)

Green (32%)

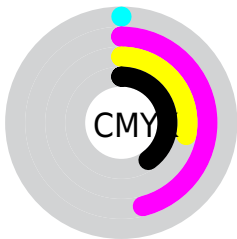
Blue (43%)



Red (60%)

Yellow (32%)

Blue (43%)

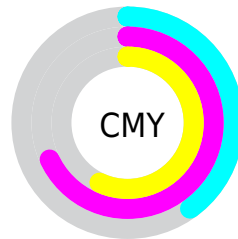


Cyan (0%)

Magenta (46%)

Yellow (28%)

Black (40%)



Cyan (40%)

Magenta (68%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9686, 13.9327, 16.4414 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 18.9686, 13.9327, 16.4414 by changing the saturation by 10% instead.

■ 18.9686, 13.9327,
16.4414

■ 18.9686, 13.9327,
16.4414

239.2168,
216.8118, 243.8664

■ 11.7515, 8.0739,
9.6793

■ 41.1983, 32.9696,
38.1402

■ 6.6457, 4.1423,
5.0840

■ 56.9416, 46.9164,
53.9140

■ 3.2859, 1.7535,
2.2371

■ 76.2577, 64.3280,
73.5288

■ 1.3067, 0.4579,
0.6956

■ 99.5118, 85.5888,
97.4031

■ 0.1882, 0.0000,
0.0000

■ 127.0695,
111.0832, 125.9555

■ 0.0000, 0.0000,
0.0000

159.2959,

141.1955, 159.6045

196.5566,
176.3103, 198.7686

■ 18.9686, 13.9327,
16.4414

■ 18.9686, 13.9327,
16.4414

■ 17.4624, 11.6860,
13.5789

■ 20.7856, 16.7164,
19.6681

■ 16.2470, 9.9389,
11.0656

■ 22.9295, 20.0671,
23.2716

■ 15.3015, 8.6526,
8.8864


■ 25.4166, 24.0150,
27.2649


■ 14.6018, 7.7816,
7.0243


■ 28.2618, 28.5874,
31.6598


■ 14.1126, 7.2582,
5.4582


■ 31.4790, 33.8101,
36.4678

 13.9613, 7.1021,
4.9563

 35.0815, 39.7075,
41.6999

 39.0818, 46.3024,
47.3665

 43.4918, 53.6169,
53.4778

 48.3229, 61.6719,
60.0436

Harmonies

Analogous

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



17.8560, 13.9327, 25.0908



18.9686, 13.9327, 16.4414



18.3884, 13.9327, 9.8007

Triad

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



18.9686, 13.9327, 16.4414



11.2036, 13.9327, 5.4504



10.5476, 13.9327, 30.4849

Complementary

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



18.9686, 13.9327, 16.4414



18.5732, 26.0572, 23.4540

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.



9.1593, 13.9327, 22.2117



18.9686, 13.9327, 16.4414



9.5013, 13.9327, 8.2850

Square

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



18.9686, 13.9327, 16.4414



13.6793, 13.9327, 4.8096



8.8032, 13.9327, 13.9665



12.8153, 13.9327, 34.7430

Rectangle

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



18.9686, 13.9327, 16.4414



17.1554, 13.9327, 7.0281



8.8032, 13.9327, 13.9665



9.9752, 13.9327, 27.9710

Sweetspot

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



18.9690, 13.9334, 16.4417



46.5469, 44.6535, 50.4405



17.1668, 12.6653, 31.6768



10.0654, 9.5198, 10.8046



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.9690, 13.9334, 16.4417



31.1033, 20.6793, 23.9812



18.2411, 14.5437, 9.8294



6.3046, 6.2610, 6.9843



11.5543, 5.8760, 4.1782



0.1899, 0.0947, 0.1526

Inverse Universe

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



18.9690, 13.9334, 16.4417



31.1033, 20.6793, 23.9812



19.4934, 24.6210, 33.8619



6.3046, 6.2610, 6.9843



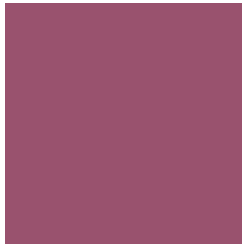
11.5543, 5.8760, 4.1782



0.1899, 0.0947, 0.1526

Previews

White Background



This preview shows how the XYZ color 18.9686, 13.9327, 16.4414 looks on a white background.

Color Contrast Check

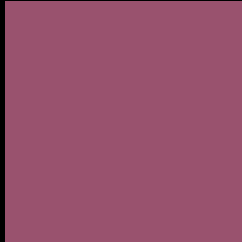
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9686, 13.9327, 16.4414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

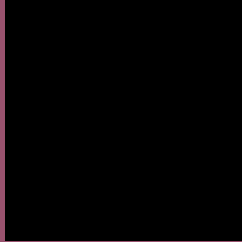
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.9686, 13.9327, 16.4414

Background



This preview shows how black text looks on a background with the XYZ color 18.9686, 13.9327, 16.4414.



This preview shows how white text looks on a background with the XYZ color 18.9686, 13.9327,

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

18.9686, 13.9327, 16.4414

Protanopia

13.9552, 14.1226, 21.0592

Deuteranopia

14.3446, 14.1417, 15.8835



Tritanopia

17.9428, 13.8490, 11.8527

Trichromacy



Original Color

18.9686, 13.9327, 16.4414

Protanomaly

15.2584, 13.6907, 19.2911

Deuteranomaly

15.7011, 13.8563, 16.0344

Tritanomaly

18.3713, 13.9169, 13.5223

Monochromacy



Original Color

18.9686, 13.9327, 16.4414

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.0969, 13.8219, 15.7821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9686, 13.9327, 16.4414 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(153, 82, 110)` looks like.

```
.text, #text, p{  
    color:rgb(153, 82, 110)  
}
```

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(153, 82, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 82, 110) }
```

Border

The CSS property to change the border of an element to XYZ 18.9686, 13.9327, 16.4414 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(153, 82, 110) }
```


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

```
.border{ border-color:rgb(153, 82, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 82, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 82, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 82, 110);  
box-shadow:4px 4px 4px 4px rgb(153, 82,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9686, 13.9327, 16.4414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 82, 110) }
```

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

```
.background{ background-color: rgb(153, 82,  
110) }
```

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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