

Converting Colors

XYZ(19.2157, 13.3965, 19.7002)

Have a look what the booklet for
XYZ(19.2157, 13.3965, 19.7002)
contains.

XYZ(19.2419, 13.4605, 19.6731)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.2419, 13.4605,
19.6731)**

Conversions

Conversions Part 1

Format	Color
Hex	994D79
RGB	153, 77, 121
RGB Percent	60%, 30%, 47%
CMY	0.4000, 0.6980, 0.5255
CMYK	0.00, 0.50, 0.21, 0.40
HSL	325°, 33%, 45%
HSV	325°, 50%, 60%
XYZ	19.2419, 13.4605, 19.6731
YIQ	104.7400, 31.1720, 29.7960

Conversions

Conversions Part 2

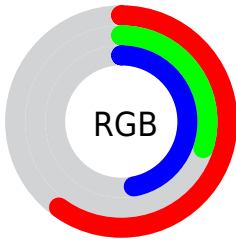
Format	Color
R_{YB}	153, 77, 121
Decimal	10046841
CIE Lab	43.45, 37.34, -10.57
CIE LCh	43, 38.810, 344.198
Yxy	13.4605, 0.3674, 0.2570
Android (android.graphics.Color)	4288236921 (0xFF994D79)
YUV	104.7400, 8.0162, 42.3240
Hunter-Lab	36.6886, 29.4122, -6.1104

Details

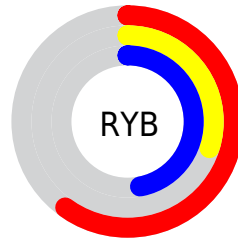
The XYZ color **19.2419, 13.4605, 19.6731** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **17.2127, 25.4647, 18.4771**, and the grayscale version is **13.3305, 14.0247, 15.2729**.

A 20% lighter version of the original color is **41.5565, 32.0108, 43.5236**, and **6.8172, 3.9611, 6.5361** is the 20% darker color. If you saturate the color by 10%, you get **17.9126, 11.4131, 17.3455**, and if you desaturate by 10%, it is **20.8502, 16.0233, 22.2242**.

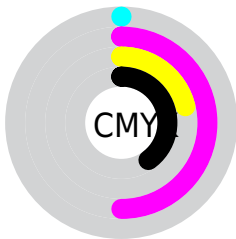
Distribution



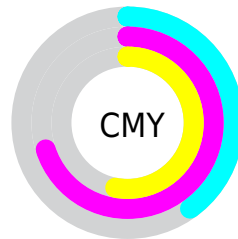
- Red (60%)
- Green (30%)
- Blue (47%)



- Red (60%)
- Yellow (30%)
- Blue (47%)



- Cyan (0%)
- Magenta (50%)
- Yellow (21%)
- Black (40%)



- Cyan (40%)
- Magenta (70%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2419, 13.4605, 19.6731 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 19.2419, 13.4605, 19.6731 by changing the saturation by 10% instead.

■ 19.2419, 13.4605,
19.6731

■ 19.2419, 13.4605,
19.6731

240.6935,
213.8482, 262.6853

■ 11.9502, 7.7464,
11.9759

■ 41.6562, 32.1286,
43.7202

■ 6.7818, 3.9331,
6.6049

■ 57.5095, 45.8515,
60.9072

■ 3.3711, 1.6362,
3.1416

■ 76.9474, 63.0127,
82.0945

■ 1.3529, 0.3818,
1.1674

■ 100.3353, 83.9967,
107.7007

■ 0.2223, 0.0000,
0.0000

■ 128.0385,
109.1879, 138.1444

■ 0.0000, 0.0000,
0.0000

160.4224,

138.9706, 173.8440

197.8522,
173.7292, 215.2181

■ 19.2419, 13.4605,
19.6731

■ 19.2419, 13.4605,
19.6731

■ 17.9126, 11.4131,
17.3455

■ 20.8502, 16.0233,
22.2242

■ 16.8427, 9.8432,
15.2318

■ 22.7529, 19.1322,
25.0060

■ 16.0117, 8.7106,
13.3229

■ 24.9658, 22.8176,
28.0262

■ 15.3954, 7.9676,
11.6080

■ 27.5032, 27.1073,
31.2919

■ 14.9367, 7.5010,
10.0652

■ 30.3782, 32.0272,
34.8099

■ 14.9223, 7.4865,
10.0167

■ 33.6035, 37.6015,
38.5864

■ 37.1910, 43.8534,
42.6276

■ 41.1519, 50.8049,
46.9395

■ 45.4970, 58.4767,
51.5276

Harmonies

Analogous

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



17.2893, 13.4605, 30.1249



19.2419, 13.4605, 19.6731



19.2972, 13.4605, 10.9402

Triad

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



19.2419, 13.4605, 19.6731



11.4203, 13.4605, 3.7161



9.0624, 13.4605, 29.5955

Complementary

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



19.2419, 13.4605, 19.6731



17.2127, 25.4647, 18.4771

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.



7.9453, 13.4605, 19.1306



19.2419, 13.4605, 19.6731



9.1541, 13.4605, 5.6675

Square

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



19.2419, 13.4605, 19.6731



14.4429, 13.4605, 3.7646



7.9760, 13.4605, 10.5741



11.2752, 13.4605, 37.2201

Rectangle

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



19.2419, 13.4605, 19.6731



18.2292, 13.4605, 7.1491



7.9760, 13.4605, 10.5741



8.5630, 13.4605, 26.1461

Sweetspot

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



19.2423, 13.4611, 19.6734



46.6256, 44.0881, 52.6950



14.6700, 10.8385, 31.4560



10.1062, 9.4160, 11.3900



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.



19.2423, 13.4611, 19.6734



31.7601, 19.9603, 30.4659



17.3655, 12.7104, 9.7901



6.3511, 6.2796, 7.2292



12.3499, 6.1942, 8.3676



0.2028, 0.0999, 0.2205

Inverse Universe

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



19.2423, 13.4611, 19.6734



31.7601, 19.9603, 30.4659



19.6926, 26.4567, 31.5358



6.3511, 6.2796, 7.2292



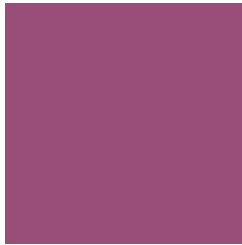
12.3499, 6.1942, 8.3676



0.2028, 0.0999, 0.2205

Previews

White Background



This preview shows how the XYZ color 19.2419, 13.4605, 19.6731 looks on a white background.

Color Contrast Check

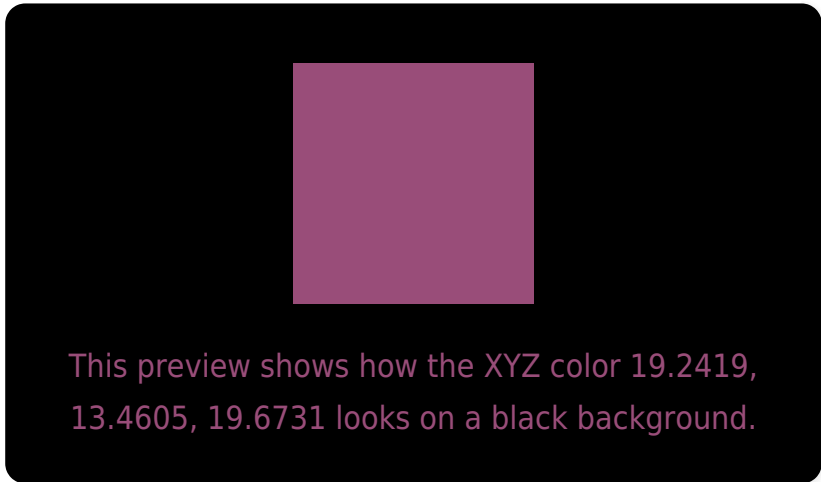
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2419, 13.4605, 19.6731

Background



This preview shows how black text looks on a background with the XYZ color 19.2419, 13.4605, 19.6731.



This preview shows how white text looks on a background with the XYZ color 19.2419, 13.4605,

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

19.2419, 13.4605, 19.6731

Protanopia

13.8530, 13.6649, 25.9522

Deuteranopia

13.9280, 13.7175, 18.7433



Tritanopia

17.5935, 13.5629, 11.3635

Trichromacy



Original Color

19.2419, 13.4605, 19.6731

Protanomaly

15.1494, 13.1395, 23.5675

Deuteranomaly

15.4093, 13.2474, 18.8844

Tritanomaly

18.0539, 13.4038, 13.9476

Monochromacy



Original Color

19.2419, 13.4605, 19.6731

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.9875, 13.4697, 16.8489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2419, 13.4605, 19.6731 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, 77, 121)` looks like.

```
.text, #text, p{  
    color:rgb(153, 77, 121)  
}
```

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, 77, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 77, 121) }
```

Border

The CSS property to change the border of an element to XYZ 19.2419, 13.4605, 19.6731 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, 77, 121) }
```


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

```
.border{ border-color:rgb(153, 77, 121) }
```

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

Here you see how a box with a 4 pixel rgb(153, 77, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 77, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 77, 121);  
box-shadow:4px 4px 4px 4px rgb(153, 77,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2419, 13.4605, 19.6731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 77, 121) }
```

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

```
.background{ background-color: rgb(153, 77,  
121) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor