

Converting Colors

XYZ(18.8526, 12.5000, 12.7432)

Have a look what the booklet for
XYZ(18.8526, 12.5000, 12.7432)
contains.

XYZ(18.9227, 12.5744, 12.7390)	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(18.9227, 12.5744,
12.7390)**

Conversions

Conversions Part 1

Format	Color
Hex	A14461
RGB	161, 68, 97
RGB Percent	63%, 27%, 38%
CMY	0.3686, 0.7333, 0.6196
CMYK	0.00, 0.58, 0.40, 0.37
HSL	341°, 41%, 45%
HSV	341°, 58%, 63%
XYZ	18.9227, 12.5744, 12.7390
YIQ	99.1130, 46.1190, 28.7350

Conversions

Conversions Part 2

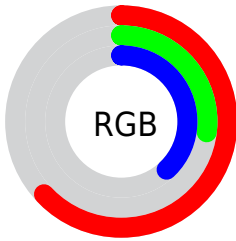
Format	Color
R_{YB}	161, 68, 97
Decimal	10568801
CIE _{Lab}	42.11, 41.46, 2.38
CIE _{LCh}	42, 41.530, 3.284
Yxy	12.5744, 0.4278, 0.2843
Android (android.graphics.Color)	4288758881 (0xFFA14461)
YUV	99.1130, -1.0417, 54.2749
Hunter-Lab	35.4604, 33.1971, 3.5226

Details

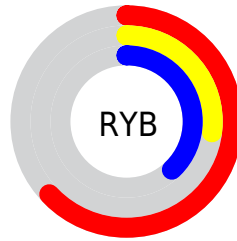
The XYZ color **18.9227, 12.5744, 12.7390** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **19.2943, 28.3849, 26.2935**, and the grayscale version is **11.8831, 12.5019, 13.6146**.

A 20% lighter version of the original color is **41.1963, 30.5996, 31.3388**, and **6.6729, 3.5661, 3.4686** is the 20% darker color. If you saturate the color by 10%, you get **17.5982, 10.6952, 9.9241**, and if you desaturate by 10%, it is **20.5875, 15.0185, 16.0236**.

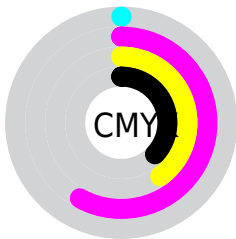
Distribution



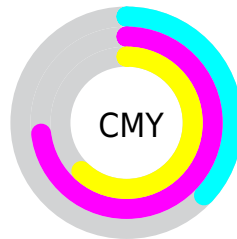
- Red (63%)
- Green (27%)
- Blue (38%)



- Red (63%)
- Yellow (27%)
- Blue (38%)



- Cyan (0%)
- Magenta (58%)
- Yellow (40%)
- Black (37%)





- Cyan (37%)
- Magenta (73%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.9227, 12.5744, 12.7390 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 18.9227, 12.5744, 12.7390 by changing the saturation by 10% instead.


 18.9227, 12.5744,
12.7390


 18.9227, 12.5744,
12.7390


238.9680,
208.1717, 220.3869


 11.7181, 7.1361,
7.1205


 41.1213, 30.5370,
31.5184


 6.6229, 3.5474,
3.4580


 56.8461, 43.8302,
45.5163


 3.2716, 1.4237,
1.3330

 76.1416, 60.5104,
63.1444

 1.2990, 0.2341,
0.0886

 99.3732, 80.9621,
84.8212

 0.1824, 0.0000,
0.0000

 126.9063,
105.5697, 110.9654

 0.0000, 0.0000,
0.0000

159.1062,

134.7176, 141.9953

196.3383,
168.7902, 178.3296

■ 18.9227, 12.5744,
12.7390

■ 18.9227, 12.5744,
12.7390

■ 17.5982, 10.6952,
9.9241

■ 20.5875, 15.0185,
16.0236

■ 16.5874, 9.3329,
7.5551

■ 22.6142, 18.0667,
19.7987

■ 15.8615, 8.4345,
5.6068

■ 25.0240, 21.7566,
24.0845

■ 15.3723, 7.9094,
4.0461

■ 27.8359, 26.1225,
28.8997

■ 15.2779, 7.8090,
3.7421

■ 31.0677, 31.1960,
34.2623

■ 34.7361, 37.0069,
40.1891

■ 38.8568, 43.5831,
46.6964

■ 43.4449, 50.9512,
53.7997

■ 48.5146, 59.1365,
61.5138

Harmonies

Analogous

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



18.0866, 12.5744, 22.8595



18.9227, 12.5744, 12.7390



17.6414, 12.5744, 6.3126

Triad

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



18.9227, 12.5744, 12.7390



8.9772, 12.5744, 3.8213



9.4735, 12.5744, 35.2232

Complementary

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



18.9227, 12.5744, 12.7390



19.2943, 28.3849, 26.2935

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.



7.6392, 12.5744, 25.3205



18.9227, 12.5744, 12.7390



7.3893, 12.5744, 7.3754

Square

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



18.9227, 12.5744, 12.7390



11.6142, 12.5744, 2.7580



6.9451, 12.5744, 14.6901



12.2954, 12.5744, 38.6908

Rectangle

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



18.9227, 12.5744, 12.7390



15.8693, 12.5744, 4.0765



6.9451, 12.5744, 14.6901



8.7384, 12.5744, 32.3746

Sweetspot

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



18.9230, 12.5751, 12.7392



50.0912, 47.1570, 52.1600



17.9462, 11.5776, 35.0069



10.7677, 10.0019, 11.0715



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.9230, 12.5751, 12.7392



31.0067, 18.4515, 16.6237



18.9943, 14.5001, 7.2675



7.1605, 7.1207, 7.8316



12.2186, 6.2435, 3.0760



0.2772, 0.1394, 0.1721

Inverse Universe

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



18.9230, 12.5751, 12.7392



31.0067, 18.4515, 16.6237



18.7831, 23.7340, 37.3092



7.1605, 7.1207, 7.8316



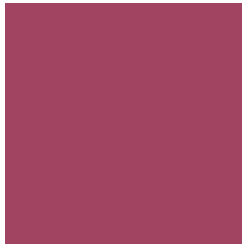
12.2186, 6.2435, 3.0760



0.2772, 0.1394, 0.1721

Previews

White Background



This preview shows how the XYZ color 18.9227, 12.5744, 12.7390 looks on a white background.

Color Contrast Check

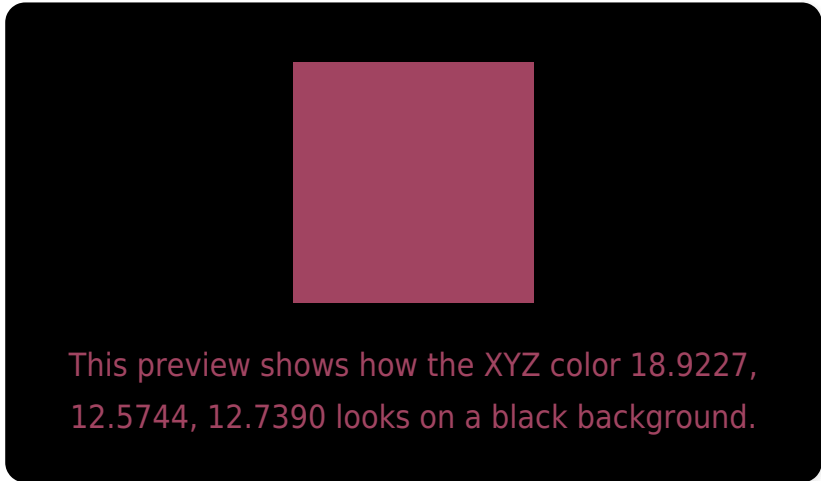
Large Text (above 18pt) WCAG AA ✓ Pass

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

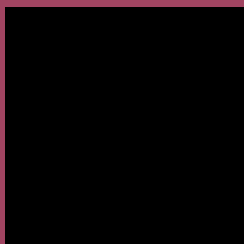
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.9227, 12.5744, 12.7390

Background



This preview shows how black text looks on a background with the XYZ color 18.9227, 12.5744, 12.7390.

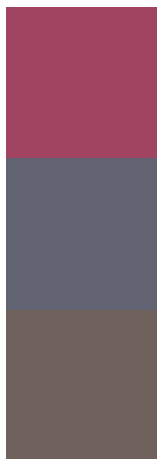


This preview shows how white text looks on a background with the XYZ color 18.9227, 12.5744,

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

18.9227, 12.5744, 12.7390

Protanopia

12.4861, 12.7029, 18.0135

Deuteranopia

13.0605, 12.8504, 12.1479



Tritanopia

17.9550, 12.5415, 8.4956

Trichromacy



Original Color

18.9227, 12.5744, 12.7390

Protanomaly

13.9422, 12.0552, 15.7794

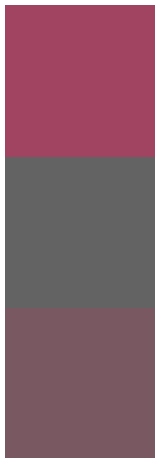
Deuteranomaly

14.5541, 12.2096, 12.1793

Tritanomaly

18.3507, 12.6202, 9.8563

Monochromacy



Original Color

18.9227, 12.5744, 12.7390

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.7204, 11.9989, 13.1481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9227, 12.5744, 12.7390 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(161, 68, 97)` looks like.

```
.text, #text, p{  
    color:rgb(161, 68, 97)  
}
```

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(161, 68, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 68, 97) }
```

Border

The CSS property to change the border of an element to XYZ 18.9227, 12.5744, 12.7390 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(161, 68, 97) }
```


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

```
.border{ border-color:rgb(161, 68, 97) }
```

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

Here you see how a box with a 4 pixel rgb(161, 68, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 68, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 68, 97);  
box-shadow:4px 4px 4px 4px rgb(161, 68,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9227, 12.5744, 12.7390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 68, 97) }
```

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

```
.background{ background-color: rgb(161, 68,  
97) }
```

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