

Converting Colors

XYZ(18.3335, 13.6069, 12.9468)

Have a look what the booklet for
XYZ(18.3335, 13.6069, 12.9468)
contains.

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Color

**XYZ(18.2370, 13.5202,
12.9577)**

Conversions

Conversions Part 1

Format	Color
Hex	995161
RGB	153, 81, 97
RGB Percent	60%, 32%, 38%
CMY	0.4000, 0.6823, 0.6196
CMYK	0.00, 0.47, 0.37, 0.40
HSL	347°, 31%, 46%
HSV	347°, 47%, 60%
XYZ	18.2370, 13.5202, 12.9577
YIQ	104.3520, 37.7760, 20.2400

Conversions

Conversions Part 2

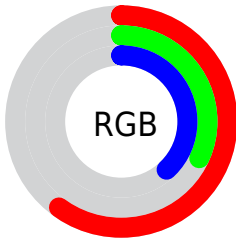
Format	Color
R_{YB}	153, 81, 97
Decimal	10047841
CIE _{Lab}	43.54, 31.76, 4.27
CIE _{LCh}	44, 32.049, 7.665
Yxy	13.5202, 0.4079, 0.3024
Android (android.graphics.Color)	4288237921 (0xFF995161)
YUV	104.3520, -3.6245, 42.6643
Hunter-Lab	36.7698, 24.1848, 4.8451

Details

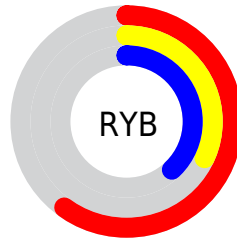
The XYZ color **18.2370, 13.5202, 12.9577** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.3006, 26.3384, 27.7350**, and the grayscale version is **13.2551, 13.9454, 15.1866**.

A 20% lighter version of the original color is **39.8122, 32.1644, 31.7138**, and **6.2870, 3.9794, 3.5687** is the 20% darker color. If you saturate the color by 10%, you get **16.7116, 11.2917, 9.9139**, and if you desaturate by 10%, it is **20.1026, 16.2957, 16.5260**.

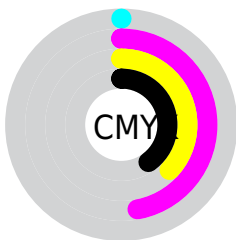
Distribution



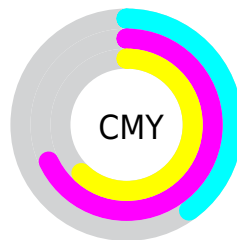
- Red (60%)
- Green (32%)
- Blue (38%)



- Red (60%)
- Yellow (32%)
- Blue (38%)



- Cyan (0%)
- Magenta (47%)
- Yellow (37%)
- Black (40%)



- Cyan (40%)
- Magenta (68%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2370, 13.5202, 12.9577 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 18.2370, 13.5202, 12.9577 by changing the saturation by 10% instead.

18.2370, 13.5202,
12.9577

18.2370, 13.5202,
12.9577

235.2234,
214.2252, 221.8447

11.2210, 7.7877,
7.2690

39.9677, 32.2352,
31.9178

6.2841, 3.9594,
3.5499

55.4131, 45.9866,
46.0264

3.0609, 1.6509,
1.3818

74.3989, 63.1797,
63.7787

1.1860, 0.3915,
0.1275

97.2907, 84.1989,
85.5932

0.0953, 0.0000,
0.0000

124.4536,
109.4287, 111.8885

0.0000, 0.0000,
0.0000

156.2532,

139.2534, 143.0832

193.0546,
174.0574, 179.5957

■ 18.2370, 13.5202,
12.9577

■ 18.2370, 13.5202,
12.9577

■ 16.7116, 11.2917,
9.9139

■ 20.1026, 16.2957,
16.5260

■ 15.5041, 9.5719,
7.3684

■ 22.3266, 19.6491,
20.6414

■ 14.5914, 8.3207,
5.2942

■ 24.9270, 23.6116,
25.3263


■ 13.9465, 7.4909,
3.6608


■ 27.9206, 28.2113,
30.6016

■ 13.5276, 7.0068,
2.4310


■ 31.3229, 33.4747,
36.4869

 13.4256, 6.8878,
2.1348

 35.1486, 39.4267,
43.0011

 39.4118, 46.0911,
50.1622

 44.1257, 53.4903,
57.9876

 49.3032, 61.6460,
66.4937

Harmonies

Analogous

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



17.8381, 13.5202, 20.6075



18.2370, 13.5202, 12.9577



17.0509, 13.5202, 7.8010

Triad

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



18.2370, 13.5202, 12.9577



10.1275, 13.5202, 6.2816



11.1063, 13.5202, 31.5130

Complementary

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



18.2370, 13.5202, 12.9577



19.3006, 26.3384, 27.7350

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.



9.4037, 13.5202, 24.8560



18.2370, 13.5202, 12.9577



8.8918, 13.5202, 10.0783

Square

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



18.2370, 13.5202, 12.9577



12.2190, 13.5202, 4.8482



8.6452, 13.5202, 16.6379



13.5034, 13.5202, 33.0510

Rectangle

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



18.2370, 13.5202, 12.9577



15.6016, 13.5202, 5.8740



8.6452, 13.5202, 16.6379



10.4436, 13.5202, 29.7151

Sweetspot

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



18.2374, 13.5209, 12.9580



46.0596, 44.4586, 47.8748



18.8786, 13.4365, 31.7357



9.9452, 9.4717, 10.1716



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.



18.2374, 13.5209, 12.9580



29.9161, 20.2044, 17.7294



19.1990, 16.5198, 9.9621



6.2622, 6.2440, 6.7609



11.1069, 5.6970, 1.8217



0.1778, 0.0899, 0.0893

Inverse Universe

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



18.2374, 13.5209, 12.9580



29.9161, 20.2044, 17.7294



17.6412, 21.0448, 33.2694



6.2622, 6.2440, 6.7609



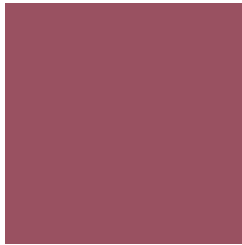
11.1069, 5.6970, 1.8217



0.1778, 0.0899, 0.0893

Previews

White Background



This preview shows how the XYZ color 18.2370, 13.5202, 12.9577 looks on a white background.

Color Contrast Check

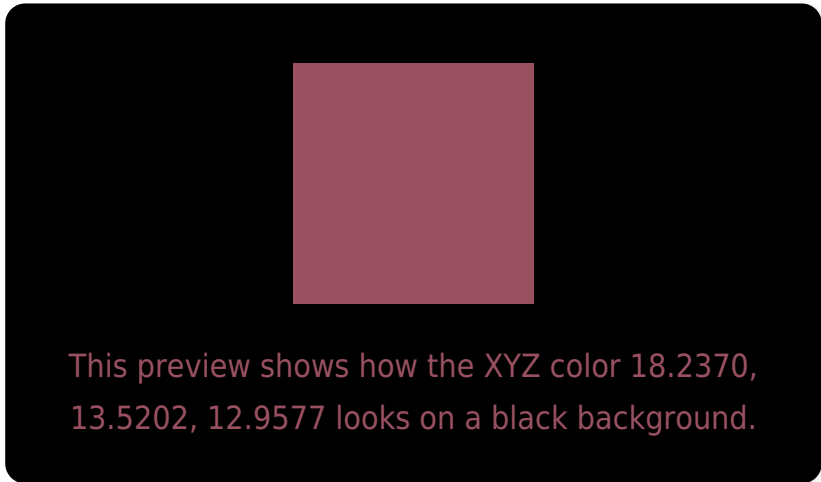
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2370, 13.5202, 12.9577

Background



This preview shows how black text looks on a background with the XYZ color 18.2370, 13.5202, 12.9577.



This preview shows how white text looks on a background with the XYZ color 18.2370, 13.5202,

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

18.2370, 13.5202, 12.9577

Protanopia

13.3195, 13.7477, 16.4196

Deuteranopia

13.9137, 13.7044, 12.5016



Tritanopia

17.7276, 13.4146, 10.8874

Trichromacy



Original Color

18.2370, 13.5202, 12.9577

Protanomaly

14.6681, 13.3419, 15.1668

Deuteranomaly

15.1858, 13.4008, 12.6127

Tritanomaly

17.8545, 13.4653, 11.5556

Monochromacy



Original Color

18.2370, 13.5202, 12.9577

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.5579, 13.4429, 14.1394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2370, 13.5202, 12.9577 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, 81, 97)` looks like.

```
.text, #text, p{  
    color:rgb(153, 81, 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(153, 81, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 81, 97) }
```

Border

The CSS property to change the border of an element to XYZ 18.2370, 13.5202, 12.9577 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, 81, 97) }
```


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

```
.border{ border-color:rgb(153, 81, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 81, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 81, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 81, 97);  
box-shadow:4px 4px 4px 4px rgb(153, 81,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2370, 13.5202, 12.9577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 81, 97) }
```

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

```
.background{ background-color: rgb(153, 81,  
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](#).

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