

Converting Colors

XYZ(12.9189, 10.8461, 10.9862)

Have a look what the booklet for
XYZ(12.9189, 10.8461, 10.9862)
contains.

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Color

**XYZ(12.9563, 10.8340,
11.0812)**

Conversions

Conversions Part 1

Format	Color
Hex	7B515A
RGB	123, 81, 90
RGB Percent	48%, 32%, 35%
CMY	0.5176, 0.6823, 0.6471
CMYK	0.00, 0.34, 0.27, 0.52
HSL	347°, 21%, 40%
HSV	347°, 34%, 48%
XYZ	12.9563, 10.8340, 11.0812
YIQ	94.5840, 22.1430, 11.7030

Conversions

Conversions Part 2

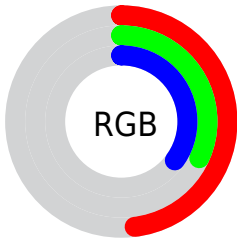
Format	Color
R_{YB}	123, 81, 90
Decimal	8081754
CIE _{Lab}	39.30, 18.97, 1.97
CIE _{LCh}	39, 19.068, 5.921
Yxy	10.8340, 0.3715, 0.3107
Android (android.graphics.Color)	4286271834 (0xFF7B515A)
YUV	94.5840, -2.2599, 24.9208
Hunter-Lab	32.9150, 12.6614, 3.0799

Details

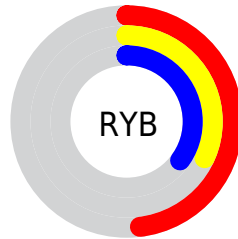
The XYZ color **12.9563, 10.8340, 11.0812** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **13.5140, 17.1305, 18.5147**, and the grayscale version is **10.7797, 11.3410, 12.3504**.

A 20% lighter version of the original color is **30.7544, 27.3562, 28.4703**, and **3.8223, 2.8080, 2.8232** is the 20% darker color. If you saturate the color by 10%, you get **11.7388, 9.0150, 8.7760**, and if you desaturate by 10%, it is **14.3936, 13.0067, 13.7238**.

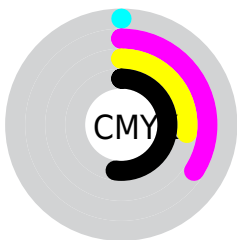
Distribution



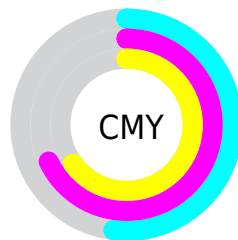
- Red (48%)
- Green (32%)
- Blue (35%)



- Red (48%)
- Yellow (32%)
- Blue (35%)



- Cyan (0%)
- Magenta (34%)
- Yellow (27%)
- Black (52%)



- Cyan (52%)
- Magenta (68%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9563, 10.8340, 11.0812 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 12.9563, 10.8340, 11.0812 by changing the saturation by 10% instead.

■ 12.9563, 10.8340,
11.0812

■ 12.9563, 10.8340,
11.0812

204.2807,
196.5251, 208.9812

■ 7.4753, 5.9553,
6.0066

■ 30.8272, 27.3528,
28.4492

■ 3.8100, 2.8179,
2.7802

■ 43.9478, 39.7617,
41.5796

■ 1.5952, 1.0374,
0.9836

■ 60.3457, 55.4495,
58.2325

■ 0.3893, 0.0000,
0.0000

■ 80.3861, 74.8005,
78.8262

■ 0.0000, 0.0000,
0.0000

■ 104.4344, 98.1992,
103.7794

132.8561,

126.0299, 133.5106

166.0164,
158.6771, 168.4384

■ 12.9563, 10.8340,
11.0812

■ 12.9563, 10.8340,
11.0812

■ 11.7388, 9.0150,
8.7760

■ 14.3936, 13.0067,
13.7238

■ 10.7290, 7.5293,
6.7939

■ 16.0598, 15.5487,
16.7162

■ 9.9154, 6.3570,
5.1202


■ 17.9650, 18.4769,
20.0708


■ 9.2848, 5.4755,
3.7391


■ 20.1180, 21.8063,
23.7993


■ 8.8221, 4.8588,
2.6331


■ 22.5275, 25.5515,
27.9129


 8.5075, 4.4717,
1.7821

 25.2016, 29.7261,
32.4222

 8.3589, 4.2871,
1.3850

 28.1480, 34.3431,
37.3374

 31.3742, 39.4150,
42.6685

 34.8873, 44.9539,
48.4250

Harmonies

Analogous

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



12.7225, 10.8340, 14.9260



12.9563, 10.8340, 11.0812



12.4312, 10.8340, 8.1123

Triad

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



12.9563, 10.8340, 11.0812



8.9145, 10.8340, 6.9429



9.3217, 10.8340, 19.5099

Complementary

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



12.9563, 10.8340, 11.0812



13.5140, 17.1305, 18.5147

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.



8.4229, 10.8340, 16.4549



12.9563, 10.8340, 11.0812



8.2019, 10.8340, 9.1380

Square

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



12.9563, 10.8340, 11.0812



10.0445, 10.8340, 6.0641



8.0297, 10.8340, 12.5417



10.5544, 10.8340, 20.3296

Rectangle

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



12.9563, 10.8340, 11.0812



11.7451, 10.8340, 6.8516



8.0297, 10.8340, 12.5417



8.9738, 10.8340, 18.6833

Sweetspot

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



12.9566, 10.8345, 11.0814



30.0370, 29.8039, 32.1977



13.4444, 10.8862, 20.1317



6.9828, 6.8790, 7.4217



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.9566, 10.8345, 11.0814



21.4549, 16.7881, 16.5480



13.5595, 12.6167, 9.5058



4.0302, 4.0278, 4.3568



8.6453, 4.4343, 1.4232



40.9759, 21.0467, 5.4033

Inverse Universe

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



12.9566, 10.8345, 11.0814



21.4549, 16.7881, 16.5480



12.6643, 14.5705, 20.8839



4.0302, 4.0278, 4.3568



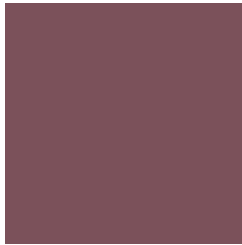
8.6453, 4.4343, 1.4232



40.9759, 21.0467, 5.4033

Previews

White Background



This preview shows how the XYZ color 12.9563, 10.8340, 11.0812 looks on a white background.

Color Contrast Check

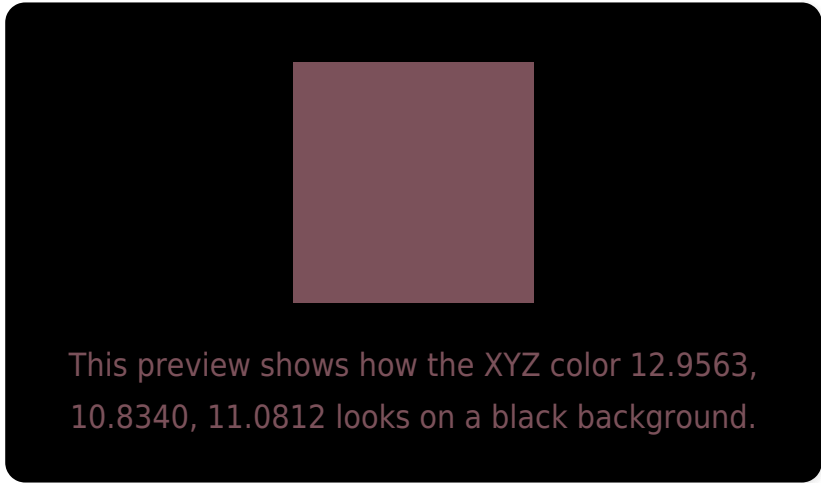
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9563, 10.8340, 11.0812

Background



This preview shows how black text looks on a background with the XYZ color 12.9563, 10.8340, 11.0812.



This preview shows how white text looks on a background with the XYZ color 12.9563, 10.8340,

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

12.9563, 10.8340, 11.0812

Protanopia

10.4990, 10.8445, 12.8491

Deuteranopia

11.1265, 10.9600, 10.7616



Tritanopia

12.8723, 10.8004, 10.6388

Trichromacy



Original Color

12.9563, 10.8340, 11.0812

Protanomaly

11.2190, 10.7307, 12.0696

Deuteranomaly

11.7669, 10.9172, 10.9382

Tritanomaly

12.9140, 10.8171, 10.8585

Monochromacy



Original Color

12.9563, 10.8340, 11.0812

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.4576, 11.1059, 11.8957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9563, 10.8340, 11.0812 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(123, 81, 90)` looks like.

```
.text, #text, p{  
    color:rgb(123, 81, 90)  
}
```

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(123, 81, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 81, 90) }
```

Border

The CSS property to change the border of an element to XYZ 12.9563, 10.8340, 11.0812 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(123, 81, 90) }
```


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

```
.border{ border-color:rgb(123, 81, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 81, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 81, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 81, 90);  
box-shadow:4px 4px 4px 4px rgb(123, 81,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9563, 10.8340, 11.0812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 81, 90) }
```

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

```
.background{ background-color: rgb(123, 81,  
90) }
```

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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