

Converting Colors

XYZ(16.1188, 13.0213, 12.0197)

Have a look what the booklet for
XYZ(16.1188, 13.0213, 12.0197)
contains.

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Color

**XYZ(16.1188, 13.0213,
12.0197)**

Conversions

Conversions Part 1

Format	Color
Hex	8C565D
RGB	140, 86, 93
RGB Percent	55%, 34%, 36%
CMY	0.4510, 0.6627, 0.6353
CMYK	0.00, 0.39, 0.34, 0.45
HSL	352°, 24%, 44%
HSV	352°, 39%, 55%
XYZ	16.1188, 13.0213, 12.0197
YIQ	102.9440, 29.9370, 13.6250

Conversions

Conversions Part 2

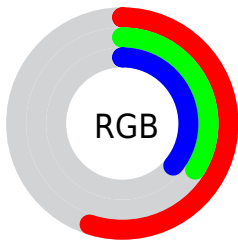
Format	Color
R _Y B	140, 86, 93
Decimal	9197149
CIE Lab	42.80, 23.33, 5.43
CIE LCh	43, 23.954, 13.101
Yxy	13.0213, 0.3916, 0.3164
Android (android.graphics.Color)	4287387229 (0xFF8C565D)
YUV	102.9440, -4.9024, 32.4981
Hunter-Lab	36.0850, 16.5852, 5.5104

Details

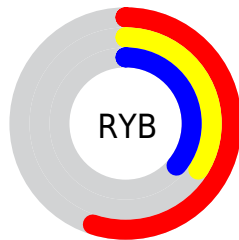
The XYZ color **16.1188, 13.0213, 12.0197** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **17.4501, 22.4284, 25.6009**, and the grayscale version is **12.8846, 13.5556, 14.7621**.

A 20% lighter version of the original color is **36.2678, 31.1936, 30.0960**, and **5.2631, 3.7310, 3.1321** is the 20% darker color. If you saturate the color by 10%, you get **14.6111, 10.8020, 9.0631**, and if you desaturate by 10%, it is **17.9322, 15.7143, 15.5029**.

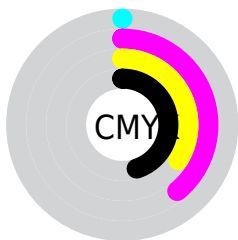
Distribution



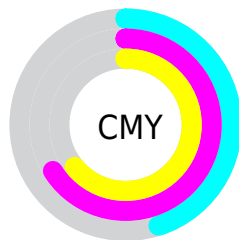
- Red (55%)
- Green (34%)
- Blue (36%)



- Red (55%)
- Yellow (34%)
- Blue (36%)



- Cyan (0%)
- Magenta (39%)
- Yellow (34%)
- Black (45%)



- Cyan (45%)
- Magenta (66%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1188, 13.0213, 12.0197 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 16.1188, 13.0213, 12.0197 by changing the saturation by 10% instead.

■ 16.1188, 13.0213,
12.0197

■ 16.1188, 13.0213,
12.0197

223.2983,
211.0541, 215.5182

■ 9.6996, 7.4432,
6.6344

■ 36.3601, 31.3420,
30.1959

■ 5.2610, 3.7408,
3.1596

■ 50.9130, 44.8535,
43.8239

■ 2.4375, 1.5296,
1.1767

■ 68.9078, 61.7782,
61.0365

■ 0.8639, 0.3095,
0.0000

■ 90.7099, 82.5005,
82.2523

■ 0.0000, 0.0000,
0.0000

■ 116.6846,
107.4049, 107.8899

147.1974,

136.8757, 138.3677

182.6135,
171.2973, 174.1043

■ 16.1188, 13.0213,
12.0197

■ 16.1188, 13.0213,
12.0197

■ 14.6111, 10.8020,
9.0631

■ 17.9322, 15.7143,
15.5029

■ 13.3912, 9.0270,
6.6066

■ 20.0658, 18.9040,
19.5359

■ 12.4408, 7.6670,
4.6226


■ 22.5346, 22.6146,
24.1413


■ 11.7391, 6.6880,
3.0805

■ 25.3521, 26.8679,
29.3404


■ 11.2623, 6.0508,
1.9459

■ 28.5313, 31.6844,
35.1532


 10.9623, 5.6691,
1.1729

 32.0843, 37.0837,
41.5990

 10.9256, 5.6196,
1.0872

 36.0228, 43.0845,
48.6960

 40.3579, 49.7044,
56.4619

 45.1003, 56.9606,
64.9135

Harmonies

Analogous

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



16.0471, 13.0213, 17.3050



16.1188, 13.0213, 12.0197



15.1197, 13.0213, 8.3596

Triad

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



16.1188, 13.0213, 12.0197



10.1299, 13.0213, 8.0327



11.3840, 13.0213, 26.1330

Complementary

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



16.1188, 13.0213, 12.0197



17.4501, 22.4284, 25.6009

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.



9.9867, 13.0213, 22.2140



16.1188, 13.0213, 12.0197



9.3130, 13.0213, 11.4524

Square

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



16.1188, 13.0213, 12.0197



11.5978, 13.0213, 6.4689



9.2633, 13.0213, 16.5803



13.1890, 13.0213, 26.3931

Rectangle

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



16.1188, 13.0213, 12.0197



14.0330, 13.0213, 6.9708



9.2633, 13.0213, 16.5803



10.8555, 13.0213, 25.1629

Sweetspot

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



16.1192, 13.0219, 12.0200



38.0557, 37.3513, 39.4511



17.7032, 13.5199, 26.4876



8.6567, 8.4378, 8.8812



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



16.1192, 13.0219, 12.0200



26.1503, 19.6163, 16.7519



17.6288, 16.5148, 11.0634



5.0576, 5.0585, 5.3915



9.7124, 4.9951, 0.9901



0.0675, 0.0344, 0.0221

Inverse Universe

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



16.1192, 13.0219, 12.0200



26.1503, 19.6163, 16.7519



15.3125, 17.3535, 27.3536



5.0576, 5.0585, 5.3915



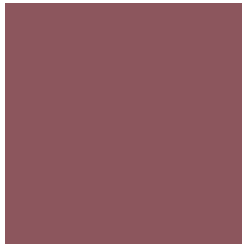
9.7124, 4.9951, 0.9901



0.0675, 0.0344, 0.0221

Previews

White Background



This preview shows how the XYZ color 16.1188, 13.0213, 12.0197 looks on a white background.

Color Contrast Check

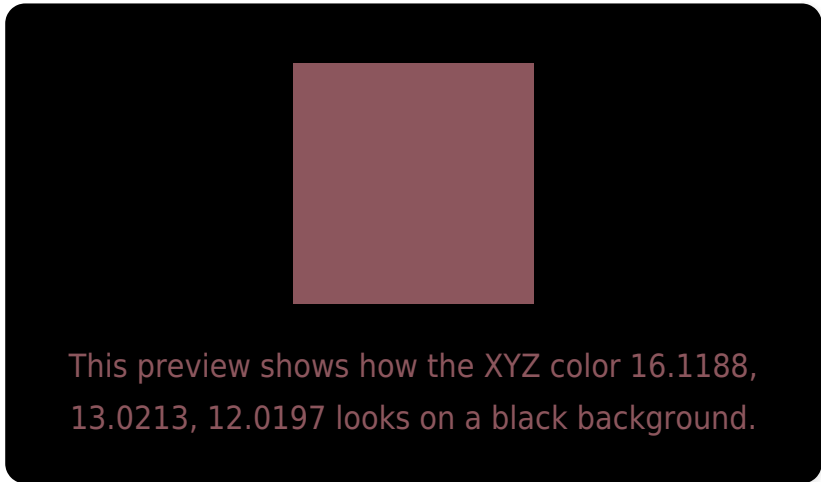
Large Text (above 18pt) WCAG AA ✓ Pass

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

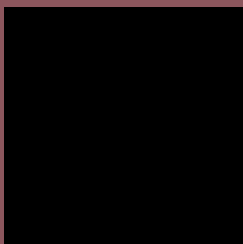
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.1188, 13.0213, 12.0197

Background



This preview shows how black text looks on a background with the XYZ color 16.1188, 13.0213, 12.0197.



This preview shows how white text looks on a background with the XYZ color 16.1188, 13.0213,

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

16.1188, 13.0213, 12.0197

Protanopia

12.5962, 13.1305, 14.1825

Deuteranopia

13.3262, 13.1355, 11.7306



Tritanopia

16.1188, 13.0213, 12.0197

Trichromacy



Original Color

16.1188, 13.0213, 12.0197

Protanomaly

13.5899, 12.9606, 13.3407

Deuteranomaly

14.2467, 13.0632, 11.8958

Tritanomaly

16.1188, 13.0213, 12.0197

Monochromacy



Original Color

16.1188, 13.0213, 12.0197

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.7293, 13.1632, 13.6215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1188, 13.0213, 12.0197 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(140, 86, 93)` looks like.

```
.text, #text, p{  
    color:rgb(140, 86, 93)  
}
```

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(140, 86, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 86, 93) }
```

Border

The CSS property to change the border of an element to XYZ 16.1188, 13.0213, 12.0197 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(140, 86, 93) }
```


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

```
.border{ border-color:rgb(140, 86, 93) }
```

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

Here you see how a box with a 4 pixel rgb(140, 86, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 86, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 86, 93);  
box-shadow:4px 4px 4px 4px rgb(140, 86,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1188, 13.0213, 12.0197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 86, 93) }
```

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

```
.background{ background-color: rgb(140, 86,  
93) }
```

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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