

Converting Colors

XYZ(18.7361, 13.3979, 12.6720)

Have a look what the booklet for
XYZ(18.7361, 13.3979, 12.6720)
contains.

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Color

**XYZ(18.6698, 13.3204,
12.6534)**

Conversions

Conversions Part 1

Format	Color
Hex	9D4D60
RGB	157, 77, 96
RGB Percent	62%, 30%, 38%
CMY	0.3843, 0.6980, 0.6235
CMYK	0.00, 0.51, 0.39, 0.38
HSL	346°, 34%, 46%
HSV	346°, 51%, 62%
XYZ	18.6698, 13.3204, 12.6534
YIQ	103.0860, 41.5810, 22.8690

Conversions

Conversions Part 2

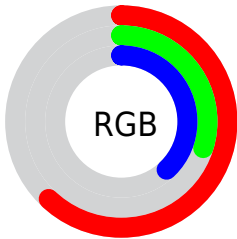
Format	Color
R_{YB}	157, 77, 96
Decimal	10308960
CIE _{Lab}	43.24, 35.30, 4.54
CIE _{LCh}	43, 35.587, 7.333
Yxy	13.3204, 0.4182, 0.2984
Android (android.graphics.Color)	4288499040 (0xFF9D4D60)
YUV	103.0860, -3.4934, 47.2826
Hunter-Lab	36.4971, 27.4402, 4.9924

Details

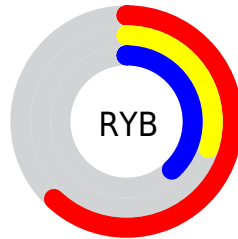
The XYZ color **18.6698, 13.3204, 12.6534** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.7057, 27.5270, 28.3211**, and the grayscale version is **12.9165, 13.5892, 14.7987**.

A 20% lighter version of the original color is **40.6390, 31.8098, 31.1921**, and **6.4471, 3.8389, 3.4188** is the 20% darker color. If you saturate the color by 10%, you get **17.1910, 11.1788, 9.6450**, and if you desaturate by 10%, it is **20.4984, 16.0272, 16.1928**.

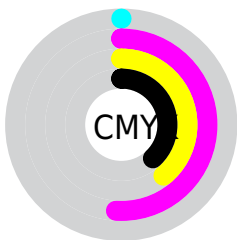
Distribution



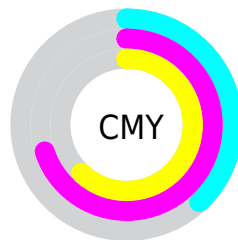
- Red (62%)
- Green (30%)
- Blue (38%)



- Red (62%)
- Yellow (30%)
- Blue (38%)



- Cyan (0%)
- Magenta (51%)
- Yellow (39%)
- Black (38%)





- Cyan (38%)
- Magenta (70%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6698, 13.3204, 12.6534 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 18.6698, 13.3204, 12.6534 by changing the saturation by 10% instead.


 18.6698, 13.3204,
12.6534


 18.6698, 13.3204,
12.6534


237.5930,
212.9610, 219.8135

 11.5345, 7.6495,
7.0624


 40.6966, 31.8782,
31.3617


 6.4975, 3.8715,
3.4221


 56.3188, 45.5339,
45.3161


 3.1934, 1.6020,
1.3140

 75.5007, 62.6201,
62.8953

 1.2568, 0.3589,
0.0732

 98.6077, 83.5211,
84.5180

 0.1506, 0.0000,
0.0000

 126.0050,
108.6213, 110.6026

 0.0000, 0.0000,
0.0000

158.0581,

138.3050, 141.5677

195.1323,
172.9568, 177.8318

■ 18.6698, 13.3204,
12.6534

■ 18.6698, 13.3204,
12.6534

■ 17.1910, 11.1788,
9.6450

■ 20.4984, 16.0272,
16.1928

■ 16.0378, 9.5600,
7.1406

■ 22.6967, 19.3336,
20.2871

■ 15.1843, 8.4190,
5.1115

■ 25.2845, 23.2734,
24.9593

■ 14.6002, 7.7020,
3.5257

■ 28.2797, 27.8775,
30.2311

■ 14.2429, 7.3034,
2.4325

■ 31.6990, 33.1748,
36.1230

■ 35.5585, 39.1923,
42.6544

■ 39.8730, 45.9557,
49.8440

■ 44.6569, 53.4894,
57.7097

■ 49.9239, 61.8167,
66.2686

Harmonies

Analogous

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



18.2002, 13.3204, 21.1652



18.6698, 13.3204, 12.6534



17.3531, 13.3204, 7.1158

Triad

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



18.6698, 13.3204, 12.6534



9.7142, 13.3204, 5.4807



10.7284, 13.3204, 33.4719

Complementary

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



18.6698, 13.3204, 12.6534



19.7057, 27.5270, 28.3211

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.



8.9010, 13.3204, 25.7767



18.6698, 13.3204, 12.6534



8.3774, 13.3204, 9.4109

Square

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



18.6698, 13.3204, 12.6534



11.9969, 13.3204, 4.0652



8.1029, 13.3204, 16.5260



13.3484, 13.3204, 35.3336

Rectangle

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



18.6698, 13.3204, 12.6534



15.7380, 13.3204, 5.1189



8.1029, 13.3204, 16.5260



10.0131, 13.3204, 31.3745

Sweetspot

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



18.6702, 13.3211, 12.6536



48.2285, 46.2007, 49.9124



19.0567, 13.0612, 33.4149



10.3834, 9.8143, 10.5795



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



18.6702, 13.3211, 12.6536



30.5046, 19.6169, 16.6775



19.5194, 16.2541, 9.1307



6.6944, 6.6707, 7.2419



11.5805, 5.9368, 2.0421



0.2218, 0.1121, 0.1143

Inverse Universe

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



18.6702, 13.3211, 12.6536



30.5046, 19.6169, 16.6775



18.0926, 21.9039, 35.1725



6.6944, 6.6707, 7.2419



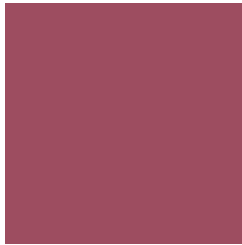
11.5805, 5.9368, 2.0421



0.2218, 0.1121, 0.1143

Previews

White Background



This preview shows how the XYZ color 18.6698, 13.3204, 12.6534 looks on a white background.

Color Contrast Check

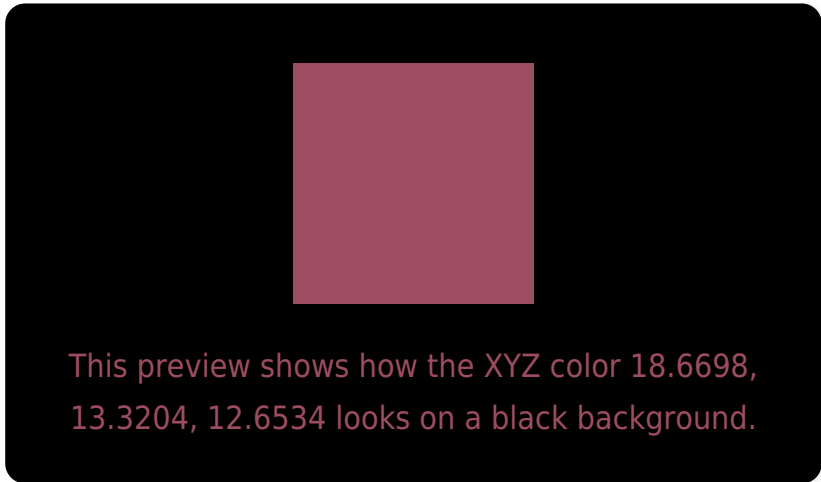
Large Text (above 18pt) WCAG AA ✓ Pass

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

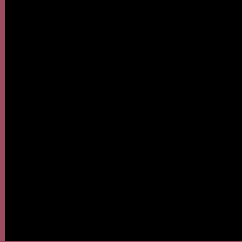
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.6698, 13.3204, 12.6534

Background



This preview shows how black text looks on a background with the XYZ color 18.6698, 13.3204, 12.6534.



This preview shows how white text looks on a background with the XYZ color 18.6698, 13.3204,

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

18.6698, 13.3204, 12.6534

Protanopia

13.0453, 13.4533, 16.6610

Deuteranopia

13.5961, 13.4094, 11.9969



Tritanopia

18.1460, 13.3158, 10.2081

Trichromacy



Original Color

18.6698, 13.3204, 12.6534

Protanomaly

14.4902, 12.9862, 15.1075

Deuteranomaly

15.0769, 13.0978, 12.0894

Tritanomaly

18.2379, 13.2380, 11.0451

Monochromacy



Original Color

18.6698, 13.3204, 12.6534

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.4713, 13.1365, 13.8295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6698, 13.3204, 12.6534 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(157, 77, 96)` looks like.

```
.text, #text, p{  
    color:rgb(157, 77, 96)  
}
```

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(157, 77, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 77, 96) }
```

Border

The CSS property to change the border of an element to XYZ 18.6698, 13.3204, 12.6534 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(157, 77, 96) }
```


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

```
.border{ border-color:rgb(157, 77, 96) }
```

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

Here you see how a box with a 4 pixel rgb(157, 77, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 77, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 77, 96);  
box-shadow:4px 4px 4px 4px rgb(157, 77,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6698, 13.3204, 12.6534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 77, 96) }
```

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

```
.background{ background-color: rgb(157, 77,  
96) }
```

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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