

Converting Colors

XYZ(19.6943, 17.5970, 15.7729)

Have a look what the booklet for
XYZ(19.6943, 17.5970, 15.7729)
contains.

XYZ(19.6616, 17.6463, 15.7344)	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(19.6616, 17.6463,
15.7344)**

Conversions

Conversions Part 1

Format	Color
Hex	926B69
RGB	146, 107, 105
RGB Percent	57%, 42%, 41%
CMY	0.4274, 0.5804, 0.5882
CMYK	0.00, 0.27, 0.28, 0.43
HSL	3°, 16%, 49%
HSV	3°, 28%, 57%
XYZ	19.6616, 17.6463, 15.7344
YIQ	118.4330, 23.8860, 7.6460

Conversions

Conversions Part 2

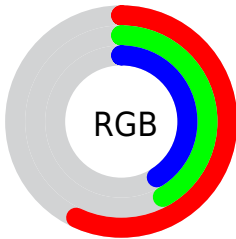
Format	Color
R_{YB}	146, 107, 105
Decimal	9595753
CIE _{Lab}	49.06, 15.26, 7.23
CIE _{LCh}	49, 16.884, 25.344
Yxy	17.6463, 0.3707, 0.3327
Android (android.graphics.Color)	4287785833 (0xFF926B69)
YUV	118.4330, -6.6225, 24.1763
Hunter-Lab	42.0075, 10.0338, 7.1975

Details

The XYZ color **19.6616, 17.6463, 15.7344** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.9871, 25.0245, 30.9184**, and the grayscale version is **17.3710, 18.2757, 19.9022**.

A 20% lighter version of the original color is **42.4863, 39.6141, 36.8595**, and **6.9438, 5.8131, 4.7591** is the 20% darker color. If you saturate the color by 10%, you get **17.6413, 14.7053, 11.6711**, and if you desaturate by 10%, it is **22.0442, 21.1056, 20.5545**.

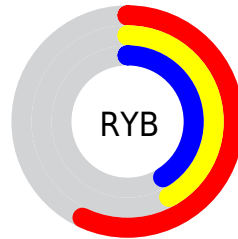
Distribution



Red (57%)

Green (42%)

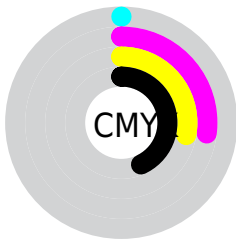
Blue (41%)



Red (57%)

Yellow (42%)

Blue (41%)

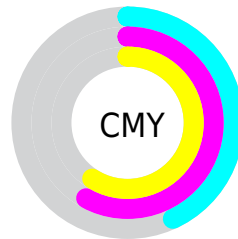


Cyan (0%)

Magenta (27%)

Yellow (28%)

Black (43%)



Cyan (43%)


Magenta (58%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.6616, 17.6463, 15.7344 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 19.6616, 17.6463, 15.7344 by changing the saturation by 10% instead.


 19.6616, 17.6463,
15.7344


 19.6616, 17.6463,
15.7344

242.9459,
238.8698, 239.5613


 12.2561, 10.6964,
9.1841

 42.3574, 39.4337,
36.8968


 6.9918, 5.8630,
4.7630


 58.3784, 55.0399,
52.3461

 3.5033, 2.7620,
2.0526

 78.0020, 74.3004,
71.5987

 1.4251, 1.0088,
0.5873

 101.5935, 97.5995,
95.0732

 0.2740, 0.0000,
0.0000

129.5183,
125.3216, 123.1882

 0.0000, 0.0000,
0.0000

162.1417,

157.8510, 156.3621

199.8291,
195.5723, 195.0137

■ 19.6616, 17.6463,
15.7344

■ 19.6616, 17.6463,
15.7344

■ 17.6413, 14.7053,
11.6711

■ 22.0442, 21.1056,
20.5545

■ 15.9643, 12.2553,
8.3253

■ 24.8042, 25.1038,
26.1660

■ 14.6119, 10.2702,
5.6555

■ 27.9575, 29.6634,
32.6026

■ 13.5631, 8.7208,
3.6157

■ 31.5186, 34.8050,
39.8959

■ 12.7943, 7.5742,
2.1542

■ 35.5015, 40.5481,
48.0755

■ 12.2786, 6.7930,
1.2109

■ 39.9192, 46.9113,
57.1699

■ 11.9758, 6.3298,
0.6710

■ 44.7845, 53.9123,
67.2063

■ 11.9316, 6.2659,
0.5806

■ 50.1093, 61.5682,
78.2105

■ 55.9054, 69.8955,
90.2076

Harmonies

Analogous

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



19.9763, 17.6463, 19.9267



19.6616, 17.6463, 15.7344



18.5545, 17.6463, 12.9246

Triad

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



19.6616, 17.6463, 15.7344



14.4019, 17.6463, 14.6907



16.5276, 17.6463, 29.2226

Complementary

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



19.6616, 17.6463, 15.7344



20.9871, 25.0245, 30.9184

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.



15.1080, 17.6463, 27.2700



19.6616, 17.6463, 15.7344



13.9306, 17.6463, 18.5182

Square

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



19.6616, 17.6463, 15.7344



15.5088, 17.6463, 12.3915



14.1809, 17.6463, 23.1717



18.1026, 17.6463, 28.1691

Rectangle

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



19.6616, 17.6463, 15.7344



17.5505, 17.6463, 11.9835



14.1809, 17.6463, 23.1717



16.0175, 17.6463, 28.8884

Sweetspot

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



19.6621, 17.6471, 15.7348



43.7154, 44.2253, 46.0746



21.9885, 18.2474, 29.0035



9.5666, 9.6091, 9.9272



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



19.6621, 17.6471, 15.7348



32.2614, 27.6034, 22.8766



21.9763, 22.2755, 16.5062



5.8222, 5.8581, 6.0643



10.5047, 5.5237, 0.5125



0.1331, 0.0766, 0.0078

Inverse Universe

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



20.9871, 25.0245, 30.9184



35.0111, 42.9219, 54.4130



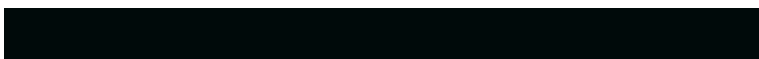
18.2386, 19.5276, 30.0023



5.9401, 6.5142, 7.4140



12.6785, 18.0518, 26.7472



0.1612, 0.2330, 0.3294

Previews

White Background



This preview shows how the XYZ color 19.6616, 17.6463, 15.7344 looks on a white background.

Color Contrast Check

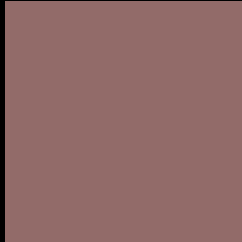
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 19.6616, 17.6463, 15.7344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

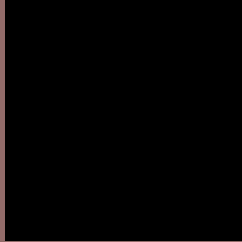
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.6616, 17.6463, 15.7344

Background



This preview shows how black text looks on a background with the XYZ color 19.6616, 17.6463, 15.7344.

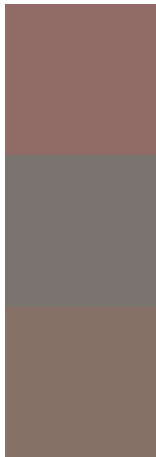


This preview shows how white text looks on a background with the XYZ color 19.6616, 17.6463,

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

19.6616, 17.6463, 15.7344

Protanopia

16.9450, 17.6815, 17.2716

Deuteranopia

18.0767, 17.7963, 15.5790



Tritanopia

20.2239, 17.7260, 18.2751

Trichromacy



Original Color

19.6616, 17.6463, 15.7344

Protanomaly

17.8178, 17.6388, 16.6529

Deuteranomaly

18.6644, 17.7716, 15.5433

Tritanomaly

20.0559, 17.6588, 17.3904

Monochromacy



Original Color

19.6616, 17.6463, 15.7344

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.9000, 17.8161, 18.1182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6616, 17.6463, 15.7344 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(146, 107, 105)` looks like.

```
.text, #text, p{  
    color:rgb(146, 107, 105)  
}
```

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(146, 107, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 107, 105) }
```

Border

The CSS property to change the border of an element to XYZ 19.6616, 17.6463, 15.7344 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(146, 107, 105) }
```


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

```
.border{ border-color:rgb(146, 107, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 107, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 107, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 107, 105);  
box-shadow:4px 4px 4px 4px rgb(146, 107,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6616, 17.6463, 15.7344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 107, 105) }
```

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

```
.background{ background-color: rgb(146,  
107, 105) }
```

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