

Converting Colors

XYZ(21.7783, 18.4013, 16.8722)

Have a look what the booklet for
XYZ(21.7783, 18.4013, 16.8722)
contains.

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Color

**XYZ(21.7165, 18.3754,
16.8702)**

Conversions

Conversions Part 1

Format	Color
Hex	9D696D
RGB	157, 105, 109
RGB Percent	62%, 41%, 43%
CMY	0.3843, 0.5882, 0.5725
CMYK	0.00, 0.33, 0.31, 0.38
HSL	355°, 21%, 51%
HSV	355°, 33%, 62%
XYZ	21.7165, 18.3754, 16.8702
YIQ	121.0040, 29.7080, 12.2680

Conversions

Conversions Part 2

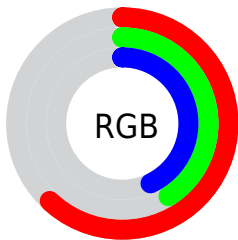
Format	Color
R_{YB}	157, 105, 109
Decimal	10316141
CIE _{Lab}	49.95, 21.41, 6.28
CIE _{LCh}	50, 22.314, 16.358
Yxy	18.3754, 0.3812, 0.3226
Android (android.graphics.Color)	4288506221 (0xFF9D696D)
YUV	121.0040, -5.9180, 31.5685
Hunter-Lab	42.8665, 15.4130, 6.6729

Details

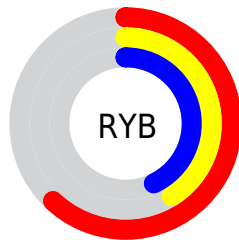
The XYZ color **21.7165, 18.3754, 16.8702** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.6332, 29.4175, 34.5711**, and the grayscale version is **18.1875, 19.1347, 20.8376**.

A 20% lighter version of the original color is **45.8427, 40.7981, 38.7164**, and **8.0415, 6.2171, 5.3336** is the 20% darker color. If you saturate the color by 10%, you get **19.5456, 15.1809, 12.6095**, and if you desaturate by 10%, it is **24.3123, 22.2136, 21.9077**.

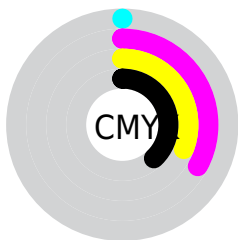
Distribution



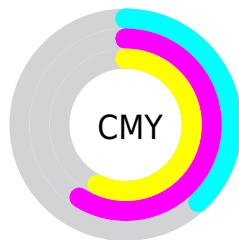
- Red (62%)
- Green (41%)
- Blue (43%)



- Red (62%)
- Yellow (41%)
- Blue (43%)



- Cyan (0%)
- Magenta (33%)
- Yellow (31%)
- Black (38%)





- Cyan (38%)
- Magenta (59%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.7165, 18.3754, 16.8702 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 21.7165, 18.3754, 16.8702 by changing the saturation by 10% instead.


 21.7165, 18.3754,
16.8702


 21.7165, 18.3754,
16.8702


253.7225,
242.9786, 246.4418


 13.7642, 11.2198,
9.9810


 45.7593, 40.6760,
38.8901


 8.0374, 6.2149,
5.2809


 62.5806, 56.5898,
54.8578

 4.1709, 2.9762,
2.3514

 83.0888, 76.1918,
74.6888

 1.7993, 1.1193,
0.7598

 107.6494, 99.8663,
98.8017

 0.5172, 0.0000,
0.0000

136.6277,
127.9979, 127.6148

 0.0000, 0.0000,
0.0000

170.3891,

160.9709, 161.5469

209.2989,
199.1696, 201.0164

■ 21.7165, 18.3754,
16.8702

■ 21.7165, 18.3754,
16.8702

■ 19.5456, 15.1809,
12.6095

■ 24.3123, 22.2136,
21.9077

■ 17.7756, 12.5924,
9.0858

■ 27.3524, 26.7251,
27.7568

■ 16.3822, 10.5723,
6.2577


■ 30.8568, 31.9412,
34.4515


■ 15.3380, 9.0778,
4.0789


■ 34.8438, 37.8902,
42.0237


■ 14.6119, 8.0601,
2.4978


■ 39.3309, 44.5989,
50.5033


 14.1673, 7.4611,
1.4546

 44.3344, 52.0928,
59.9192

 13.9714, 7.1948,
1.0023

 49.8702, 60.3961,
70.2988

 55.9533, 69.5320,
81.6683

 62.5982, 79.5230,
94.0531

Harmonies

Analogous

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



21.7749, 18.3754, 22.9165



21.7165, 18.3754, 16.8702



20.4604, 18.3754, 12.6367

Triad

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



21.7165, 18.3754, 16.8702



14.6547, 18.3754, 12.9295



16.5130, 18.3754, 33.7765

Complementary

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



21.7165, 18.3754, 16.8702



23.6332, 29.4175, 34.5711

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.



14.7777, 18.3754, 29.7999



21.7165, 18.3754, 16.8702



13.7655, 18.3754, 17.3560

Square

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



21.7165, 18.3754, 16.8702



16.3323, 18.3754, 10.6999



13.8085, 18.3754, 23.5119



18.6494, 18.3754, 33.5721

Rectangle

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



21.7165, 18.3754, 16.8702



19.1671, 18.3754, 11.0407



13.8085, 18.3754, 23.5119



15.8672, 18.3754, 32.8545

Sweetspot

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



21.7170, 18.3763, 16.8706



50.7341, 50.4623, 53.0582



24.2119, 19.2783, 34.3432



10.9909, 10.8469, 11.3444



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.



21.7170, 18.3763, 16.8706



35.8512, 28.4311, 24.2528



24.0014, 23.2815, 16.5946



6.6527, 6.6540, 7.0224



11.3534, 5.8459, 0.8459



0.2084, 0.1067, 0.0434

Inverse Universe

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



21.7170, 18.3763, 16.8706



35.8512, 28.4311, 24.2528



20.6228, 22.8595, 35.2236



6.6527, 6.6540, 7.0224



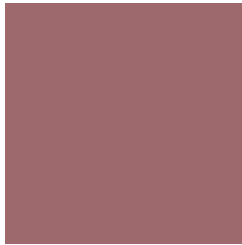
11.3534, 5.8459, 0.8459



0.2084, 0.1067, 0.0434

Previews

White Background



This preview shows how the XYZ color 21.7165, 18.3754, 16.8702 looks on a white background.

Color Contrast Check

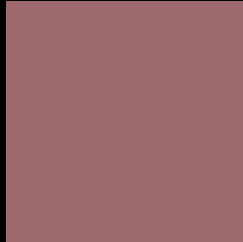
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.7165, 18.3754, 16.8702 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 21.7165, 18.3754, 16.8702

Background



This preview shows how black text looks on a background with the XYZ color 21.7165, 18.3754, 16.8702.



This preview shows how white text looks on a background with the XYZ color 21.7165, 18.3754,

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

21.7165, 18.3754, 16.8702

Protanopia

17.7753, 18.5922, 19.1748

Deuteranopia

18.7762, 18.4739, 16.4861



Tritanopia

21.7796, 18.2386, 17.7017

Trichromacy



Original Color

21.7165, 18.3754, 16.8702

Protanomaly

18.9896, 18.3778, 18.1692

Deuteranomaly

19.7189, 18.2912, 16.6786

Tritanomaly

21.7242, 18.2164, 17.4101

Monochromacy



Original Color

21.7165, 18.3754, 16.8702

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.1731, 18.6142, 19.4120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7165, 18.3754, 16.8702 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, 105, 109)` looks like.

```
.text, #text, p{  
    color:rgb(157, 105, 109)  
}
```

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, 105, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 105, 109) }
```

Border

The CSS property to change the border of an element to XYZ 21.7165, 18.3754, 16.8702 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, 105, 109) }
```


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

```
.border{ border-color:rgb(157, 105, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 105, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 105, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 105, 109);  
box-shadow:4px 4px 4px 4px rgb(157, 105,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7165, 18.3754, 16.8702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 105, 109) }
```

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

```
.background{ background-color: rgb(157,  
105, 109) }
```

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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