

# Converting Colors

XYZ(21.8322, 18.1466, 18.9706)

Have a look what the booklet for  
XYZ(21.8322, 18.1466, 18.9706)  
contains.

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# Color

**XYZ(21.7129, 18.0294,  
18.8586)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9C6774
RGB	156, 103, 116
RGB Percent	61%, 40%, 45%
CMY	0.3882, 0.5961, 0.5451
CMYK	0.00, 0.34, 0.26, 0.39
HSL	345°, 21%, 51%
HSV	345°, 34%, 61%
XYZ	21.7129, 18.0294, 18.8586
YIQ	120.3290, 27.4150, 15.2790

# Conversions

## Conversions Part 2

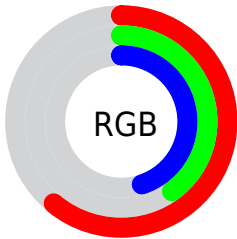
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	156, 103, 116
Decimal	10250100
CIE <sub>Lab</sub>	49.53, 23.19, 1.50
CIE <sub>LCh</sub>	50, 23.238, 3.705
Yxy	18.0294, 0.3705, 0.3077
Android (android.graphics.Color)	4288440180 (0xFF9C6774)
YUV	120.3290, -2.1342, 31.2835
Hunter-Lab	42.4610, 16.9710, 3.3897

# Details

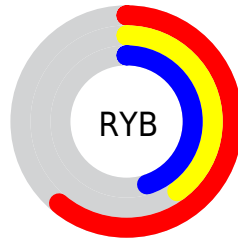
The XYZ color **21.7129, 18.0294, 18.8586** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.4407, 28.6440, 30.3342**, and the grayscale version is **17.9589, 18.8942, 20.5757**.

A 20% lighter version of the original color is **45.9406, 40.2669, 42.3967**, and **8.0031, 6.0333, 6.2116** is the 20% darker color. If you saturate the color by 10%, you get **19.6615, 14.9541, 15.0072**, and if you desaturate by 10%, it is **24.1416, 21.7202, 23.2645**.

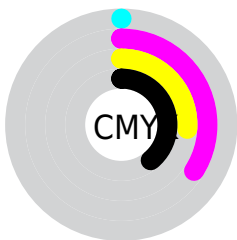
# Distribution



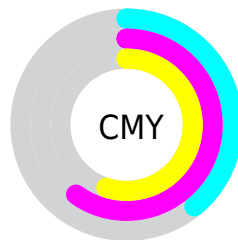
- Red (61%)
- Green (40%)
- Blue (45%)



- Red (61%)
- Yellow (40%)
- Blue (45%)



- Cyan (0%)
- Magenta (34%)
- Yellow (26%)
- Black (39%)




- Cyan (39%)
- Magenta (60%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7129, 18.0294, 18.8586 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 21.7129, 18.0294, 18.8586 by changing the saturation by 10% instead.





 21.7129, 18.0294,  
18.8586

 21.7129, 18.0294,  
18.8586


253.7039,  
241.0367, 258.0637


 13.7615, 10.9711,  
11.3924


 45.7534, 40.0874,  
42.3285


 8.0356, 6.0474,  
6.2139


 62.5733, 55.8559,  
59.1693

 4.1697, 2.8739,  
2.9047

 83.0800, 75.2966,  
79.9721

 1.7986, 1.0663,  
1.0462

 107.6389, 98.7939,  
105.1553

 0.5168, 0.0000,  
0.0000

136.6154,  
126.7321, 135.1375

 0.0000, 0.0000,  
0.0000

170.3748,

159.4958, 170.3373

209.2826,  
197.4692, 211.1732

■ 21.7129, 18.0294,  
18.8586

■ 21.7129, 18.0294,  
18.8586

■ 19.6615, 14.9541,  
15.0072

■ 24.1416, 21.7202,  
23.2645

■ 17.9666, 12.4580,  
11.6868

■ 26.9641, 26.0548,  
28.2450

■ 16.6075, 10.5054,  
8.8738


■ 30.1977, 31.0631,  
33.8204


■ 15.5608, 9.0550,  
6.5421


■ 33.8581, 36.7722,  
40.0096


■ 14.7998, 8.0601,  
4.6635


■ 37.9604, 43.2076,  
46.8310


 14.2929, 7.4643,  
3.2060

 42.5187, 50.3937,  
54.3017

 14.0643, 7.2095,  
2.5058

 47.5466, 58.3538,  
62.4386

 53.0571, 67.1100,  
71.2577

 59.0628, 76.6837,  
80.7746

# Harmonies

## Analogous

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



21.2147, 18.0294, 25.5005



21.7129, 18.0294, 18.8586



20.9011, 18.0294, 13.6474

# Triad

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



21.7129, 18.0294, 18.8586



14.8950, 18.0294, 11.1802



15.3303, 18.0294, 32.6156

# Complementary

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



21.7129, 18.0294, 18.8586



22.4407, 28.6440, 30.3342

# 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.



13.8533, 18.0294, 27.1487



21.7129, 18.0294, 18.8586



13.6175, 18.0294, 14.7392

# Square

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



21.7129, 18.0294, 18.8586



16.8646, 18.0294, 9.8548



13.2529, 18.0294, 20.4241



17.4112, 18.0294, 34.3687



# Rectangle

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



21.7129, 18.0294, 18.8586



19.7638, 18.0294, 11.3973



13.2529, 18.0294, 20.4241



14.7528, 18.0294, 31.1012

# Sweetspot

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



21.7134, 18.0303, 18.8590



51.1016, 50.6093, 54.9936



22.1361, 17.9191, 33.7445



11.0807, 10.8828, 11.8172



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.



21.7134, 18.0303, 18.8590



36.4598, 28.2763, 28.6854



22.4333, 20.5965, 15.6263



6.6965, 6.6715, 7.2527



11.5968, 5.9433, 2.1276



0.2225, 0.1123, 0.1177



# Inverse Universe

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



21.7134, 18.0303, 18.8590



36.4598, 28.2763, 28.6854



21.3799, 24.8544, 35.1230



6.6965, 6.6715, 7.2527



11.5968, 5.9433, 2.1276

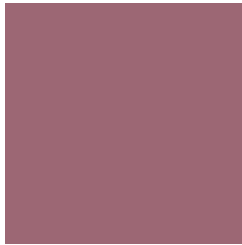


0.2225, 0.1123, 0.1177



# Previews

## White Background



This preview shows how the XYZ color 21.7129, 18.0294, 18.8586 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 21.7129, 18.0294, 18.8586 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

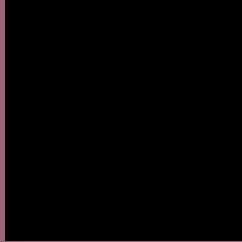
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 21.7129, 18.0294, 18.8586**

## **Background**



This preview shows how black text looks on a background with the XYZ color 21.7129, 18.0294, 18.8586.



This preview shows how white text looks on a background with the XYZ color 21.7129, 18.0294,



# 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

21.7129, 18.0294, 18.8586

### Protanopia

17.4706, 18.0294, 21.6280

### Deuteranopia

18.4146, 18.0748, 18.4378



## Tritanopia

21.5852, 18.1384, 17.6926

# Trichromacy



## Original Color

21.7129, 18.0294, 18.8586

## Protanomaly

18.7611, 17.8744, 20.5504

## Deuteranomaly

19.4857, 17.9651, 18.6603

## Tritanomaly

21.6413, 18.1608, 17.9876

# Monochromacy



## Original Color

21.7129, 18.0294, 18.8586

## Achromatopsia

17.8524, 18.7821, 20.4537

## Achromatomaly

19.0200, 18.3531, 19.9928

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 21.7129, 18.0294, 18.8586 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(156, 103, 116)` looks like.

```
.text, #text, p{  
    color:rgb(156, 103, 116)  
}
```

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(156, 103, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 103, 116) }
```

## Border

The CSS property to change the border of an element to XYZ 21.7129, 18.0294, 18.8586 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(156, 103, 116) }
```



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

```
.border{ border-color:rgb(156, 103, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 103, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 103, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 103, 116);  
box-shadow:4px 4px 4px 4px rgb(156, 103,  
116) }
```

# Background

The CSS property to change the background color of an element to XYZ 21.7129, 18.0294, 18.8586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 103, 116) }
```

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

```
.background{ background-color: rgb(156,  
103, 116) }
```

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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