

# Converting Colors

XYZ(21.2576, 18.0948, 15.7110)

Have a look what the booklet for  
XYZ(21.2576, 18.0948, 15.7110)  
contains.

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# Color

**XYZ(21.3117, 18.1910,  
15.7526)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9C6969
RGB	156, 105, 105
RGB Percent	61%, 41%, 41%
CMY	0.3882, 0.5882, 0.5882
CMYK	0.00, 0.33, 0.33, 0.39
HSL	0°, 20%, 51%
HSV	0°, 33%, 61%
XYZ	21.3117, 18.1910, 15.7526
YIQ	120.2490, 30.3960, 10.8120

# Conversions

## Conversions Part 2

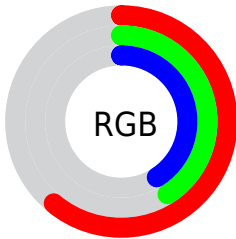
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	156, 105, 105
Decimal	10250601
CIE <sub>Lab</sub>	49.73, 20.45, 8.33
CIE <sub>LCh</sub>	50, 22.085, 22.157
Yxy	18.1910, 0.3857, 0.3292
Android (android.graphics.Color)	4288440681 (0xFF9C6969)
YUV	120.2490, -7.5178, 31.3536
Hunter-Lab	42.6509, 14.5533, 7.9576

# Details

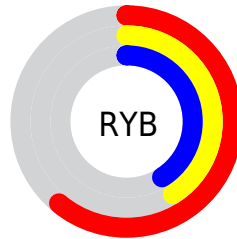
The XYZ color **21.3117, 18.1910, 15.7526** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.7145, 29.1795, 35.8349**, and the grayscale version is **17.9493, 18.8840, 20.5647**.

A 20% lighter version of the original color is **45.2091, 40.5113, 36.8892**, and **7.8204, 6.1153, 4.7712** is the 20% darker color. If you saturate the color by 10%, you get **19.1366, 15.0083, 11.4280**, and if you desaturate by 10%, it is **23.9263, 22.0171, 20.9498**.

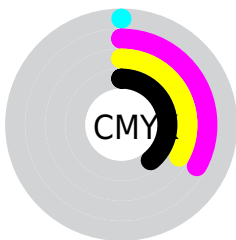
# Distribution



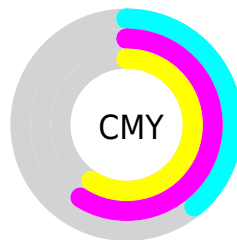
- Red (61%)
- Green (41%)
- Blue (41%)



- Red (61%)
- Yellow (41%)
- Blue (41%)



- Cyan (0%)
- Magenta (33%)
- Yellow (33%)
- Black (39%)



- Cyan (39%)
- Magenta (59%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3117, 18.1910, 15.7526 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 21.3117, 18.1910, 15.7526 by changing the saturation by 10% instead.





 21.3117, 18.1910,  
15.7526


 21.3117, 18.1910,  
15.7526


251.6309,  
241.9454, 239.6731


 13.4658, 11.0872,  
9.1968


 45.0931, 40.3625,  
36.9290


 7.8293, 6.1255,  
4.7712


 61.7593, 56.1990,  
52.3866

 4.0368, 2.9216,  
2.0573

 82.0963, 75.7152,  
71.6486

 1.7230, 1.0909,  
0.5902

 106.4695, 99.2955,  
95.1335

 0.4706, 0.0000,  
0.0000

135.2441,  
127.3243, 123.2599

 0.0000, 0.0000,  
0.0000

168.7857,

160.1859, 156.4463

207.4595,  
198.2648, 195.1111

■ 21.3117, 18.1910,  
15.7526

■ 21.3117, 18.1910,  
15.7526

■ 19.1366, 15.0083,  
11.4280

■ 23.9263, 22.0171,  
20.9498

■ 17.3755, 12.4314,  
7.9272

■ 27.0012, 26.5166,  
27.0626

■ 16.0027, 10.4225,  
5.1981

■ 30.5575, 31.7204,  
34.1325


■ 14.9888, 8.9388,  
3.1827


■ 34.6147, 37.6572,  
42.1981


■ 14.3003, 7.9313,  
1.8142


■ 39.1910, 44.3536,  
51.2958


 13.8975, 7.3419,  
1.0136

 44.3040, 51.8352,  
61.4604

 13.7104, 7.0682,  
0.6417

 49.9702, 60.1264,  
72.7249

 56.2055, 69.2504,  
85.1208

 63.0253, 79.2294,  
98.6786

# Harmonies

## Analogous

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



21.6129, 18.1910, 21.4294



21.3117, 18.1910, 15.7526



19.8911, 18.1910, 11.9973

# Triad

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



21.3117, 18.1910, 15.7526



14.2894, 18.1910, 13.5181



16.7441, 18.1910, 33.6359

# Complementary

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



21.3117, 18.1910, 15.7526



23.7145, 29.1795, 35.8349

# 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.



14.9261, 18.1910, 30.4313



21.3117, 18.1910, 15.7526



13.5858, 18.1910, 18.2684

# Square

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



21.3117, 18.1910, 15.7526



15.8094, 18.1910, 10.9013



13.8090, 18.1910, 24.5032



18.8603, 18.1910, 32.5840



# Rectangle

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



21.3117, 18.1910, 15.7526



18.5587, 18.1910, 10.7022



13.8090, 18.1910, 24.5032



16.0804, 18.1910, 33.0013

# Sweetspot

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



21.3122, 18.1919, 15.7530



50.5695, 50.3969, 52.1901



24.7628, 19.5716, 33.9251



10.9508, 10.8309, 11.1328



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.



21.3122, 18.1919, 15.7530



35.8314, 28.8309, 22.8914



24.3096, 24.1866, 16.7521



6.6331, 6.6462, 6.9189



11.2932, 5.8220, 0.5285



0.2019, 0.1041, 0.0095



# Inverse Universe

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



23.7145, 29.1795, 35.8349



40.8667, 51.8609, 64.9830



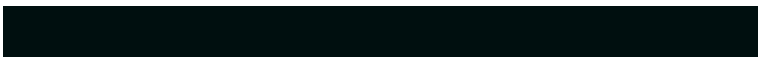
19.8760, 21.5024, 34.5554



6.8218, 7.5094, 8.4966



14.7339, 21.5594, 29.2920

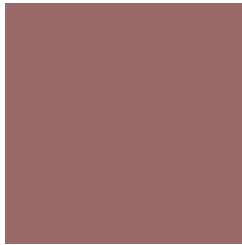


0.2635, 0.3855, 0.5238



# Previews

## White Background



This preview shows how the XYZ color 21.3117, 18.1910, 15.7526 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

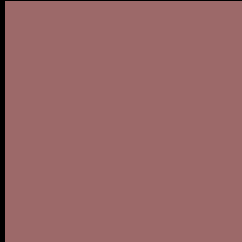
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 21.3117, 18.1910, 15.7526 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 21.3117, 18.1910, 15.7526**

## **Background**



This preview shows how black text looks on a background with the XYZ color 21.3117, 18.1910, 15.7526.



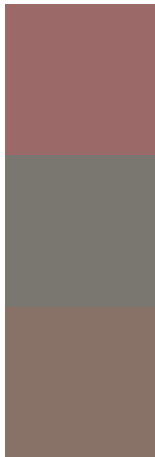
This preview shows how white text looks on a background with the XYZ color 21.3117, 18.1910,



# 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

21.3117, 18.1910, 15.7526

### Protanopia

17.4291, 18.2643, 17.9360

### Deuteranopia

18.6188, 18.2481, 15.3729



## Tritanopia

21.7796, 18.2386, 17.7017

# Trichromacy



## Original Color

21.3117, 18.1910, 15.7526

## Protanomaly

18.4970, 17.9827, 16.9641

## Deuteranomaly

19.5108, 18.2080, 15.5829

## Tritanomaly

21.6153, 18.1729, 16.8365

# Monochromacy



## Original Color

21.3117, 18.1910, 15.7526

## Achromatopsia

17.8524, 18.7821, 20.4537

## Achromatomaly

18.8981, 18.4858, 18.7917

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 21.3117, 18.1910, 15.7526 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, 105, 105)` looks like.

```
.text, #text, p{  
    color:rgb(156, 105, 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(156, 105, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 105, 105) }
```

## Border

The CSS property to change the border of an element to XYZ 21.3117, 18.1910, 15.7526 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, 105, 105) }
```



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

```
.border{ border-color:rgb(156, 105, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 105, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 105, 105); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 105, 105); box-shadow:4px 4px 4px 4px rgb(156, 105, 105) }
```

# Background

The CSS property to change the background color of an element to XYZ 21.3117, 18.1910, 15.7526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 105, 105) }
```

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

```
.background{ background-color: rgb(156,  
105, 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](#).

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