

# Converting Colors

XYZ(25.2551, 21.4376, 18.2767)

Have a look what the booklet for  
XYZ(25.2551, 21.4376, 18.2767)  
contains.

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# Color

**XYZ(25.1919, 21.4151,  
18.1350)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A97170
RGB	169, 113, 112
RGB Percent	66%, 44%, 44%
CMY	0.3373, 0.5568, 0.5608
CMYK	0.00, 0.33, 0.34, 0.34
HSL	1°, 25%, 55%
HSV	1°, 34%, 66%
XYZ	25.1919, 21.4151, 18.1350
YIQ	129.6300, 33.6970, 11.5610

# Conversions

## Conversions Part 2

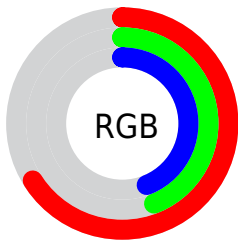
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	169, 113, 112
Decimal	11104624
CIE <sub>Lab</sub>	53.40, 22.04, 9.62
CIE <sub>LCh</sub>	53, 24.042, 23.578
Yxy	21.4151, 0.3891, 0.3308
Android (android.graphics.Color)	4289294704 (0xFFA97170)
YUV	129.6300, -8.6916, 34.5275
Hunter-Lab	46.2765, 16.1878, 9.1587

# Details

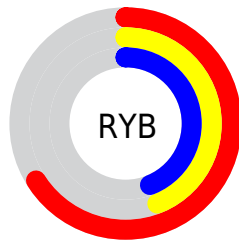
The XYZ color **25.1919, 21.4151, 18.1350** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **27.8456, 34.3133, 42.6916**, and the grayscale version is **21.1093, 22.2087, 24.1852**.

A 20% lighter version of the original color is **51.5200, 45.7594, 41.2390**, and **9.8290, 7.6818, 5.8152** is the 20% darker color. If you saturate the color by 10%, you get **22.6520, 17.7024, 13.0735**, and if you desaturate by 10%, it is **28.2485, 25.8782, 24.2405**.

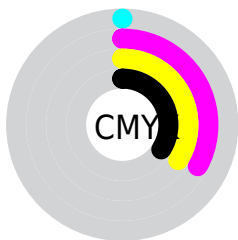
# Distribution



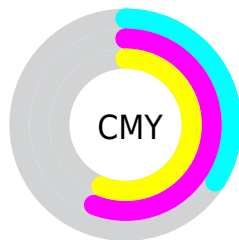
- Red (66%)
- Green (44%)
- Blue (44%)



- Red (66%)
- Yellow (44%)
- Blue (44%)



- Cyan (0%)
- Magenta (33%)
- Yellow (34%)
- Black (34%)




- Cyan (34%)
- Magenta (56%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1919, 21.4151, 18.1350 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 25.1919, 21.4151, 18.1350 by changing the saturation by 10% instead.





 25.1919, 21.4151,  
18.1350


 25.1919, 21.4151,  
18.1350


271.1223,  
259.4764, 253.8925


 16.3496, 13.4278,  
10.8765


 51.4090, 45.7774,  
41.0843


 9.8643, 7.7238,  
5.8707


 69.5145, 62.9211,  
57.6121

 5.3706, 3.9187,  
2.6991

 91.4385, 83.8857,  
78.0669

 2.5033, 1.6282,  
0.9430

 117.5462,  
109.0556, 102.8670

 0.8969, 0.3765,  
0.0000

148.2031,  
138.8153, 132.4311

 0.0000, 0.0000,  
0.0000

183.7745,

173.5490, 167.1777

224.6258,  
213.6412, 207.5253

■ 25.1919, 21.4151,  
18.1350

■ 25.1919, 21.4151,  
18.1350

■ 22.6520, 17.7024,  
13.0735

■ 28.2485, 25.8782,  
24.2405

■ 20.5985, 14.6960,  
8.9965

■ 31.8462, 31.1265,  
31.4425

■ 19.0010, 12.3521,  
5.8402


■ 36.0100, 37.1962,  
39.7916


■ 17.8248, 10.6207,  
3.5331

■ 40.7630, 44.1205,  
49.3348


■ 17.0299, 9.4446,  
1.9930


■ 46.1268, 51.9307,  
60.1164


 16.5692, 8.7562,  
1.1214

 52.1219, 60.6565,  
72.1786

 16.3945, 8.4996,  
0.7765

 58.7680, 70.3263,  
85.5615

 66.0839, 80.9672,  
100.3035

 70.1722, 87.1750,  
107.7357

# Harmonies

## Analogous

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



25.6312, 21.4151, 24.9251



25.1919, 21.4151, 18.1350



23.4095, 21.4151, 13.7375

# Triad

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



25.1919, 21.4151, 18.1350



16.6552, 21.4151, 15.9283



19.8104, 21.4151, 40.2590

# Complementary

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



25.1919, 21.4151, 18.1350



27.8456, 34.3133, 42.6916

# 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.



17.5774, 21.4151, 36.5545



25.1919, 21.4151, 18.1350



15.8566, 21.4151, 21.7804

# Square

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



25.1919, 21.4151, 18.1350



18.4537, 21.4151, 12.6621



16.1796, 21.4151, 29.4035



22.3813, 21.4151, 38.7173



# Rectangle

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



25.1919, 21.4151, 18.1350



21.7736, 21.4151, 12.2669



16.1796, 21.4151, 29.4035



18.9982, 21.4151, 39.5648

# Sweetspot

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



25.1925, 21.4161, 18.1354



59.5627, 59.4316, 61.3780



29.2290, 22.8525, 39.9406



12.7702, 12.6446, 12.9531



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656



# Same Dimension

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



25.1925, 21.4161, 18.1354



41.8445, 33.5703, 25.9537



28.8783, 28.7877, 19.3640



7.5413, 7.5627, 7.8515



12.2229, 6.3431, 0.5801



0.3006, 0.1608, 0.0152



# Inverse Universe

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



27.8456, 34.3133, 42.6916



47.2839, 60.0181, 76.3176



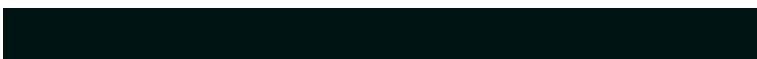
23.1561, 24.9344, 41.1284



7.7361, 8.5090, 9.6530



15.5080, 22.4763, 31.4965



0.3807, 0.5537, 0.7675



# Previews

## White Background



This preview shows how the XYZ color 25.1919, 21.4151, 18.1350 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

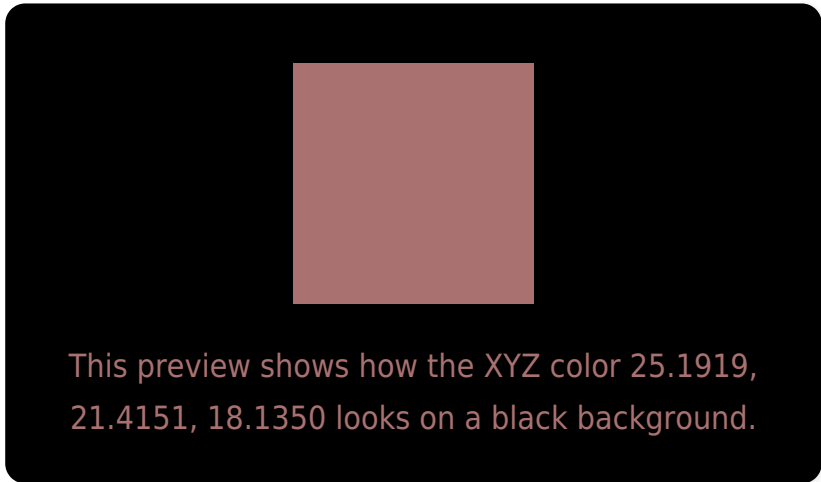
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



## 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 25.1919, 21.4151, 18.1350**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.1919, 21.4151, 18.1350.



This preview shows how white text looks on a background with the XYZ color 25.1919, 21.4151,



# 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

25.1919, 21.4151, 18.1350

### Protanopia

20.4953, 21.4403, 20.8275

### Deuteranopia

21.9301, 21.4948, 17.7449



## Tritanopia

25.7619, 21.4905, 20.5596

# Trichromacy



## Original Color

25.1919, 21.4151, 18.1350

## Protanomaly

21.8475, 21.2232, 19.7746

## Deuteranomaly

22.9836, 21.3099, 17.9408

## Tritanomaly

25.5826, 21.4187, 19.6155

# Monochromacy



## Original Color

25.1919, 21.4151, 18.1350

## Achromatopsia

21.2178, 22.3228, 24.3095

## Achromatomaly

22.2844, 21.7747, 21.7673

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.1919, 21.4151, 18.1350 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(169, 113, 112)` looks like.

```
.text, #text, p{  
    color:rgb(169, 113, 112)  
}
```

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(169, 113, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 113, 112) }
```

## Border

The CSS property to change the border of an element to XYZ 25.1919, 21.4151, 18.1350 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(169, 113, 112) }
```



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

```
.border{ border-color:rgb(169, 113, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 113, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 113, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 113, 112);  
box-shadow:4px 4px 4px 4px rgb(169, 113,  
112) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.1919, 21.4151, 18.1350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 113, 112) }
```

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

```
.background{ background-color: rgb(169,  
113, 112) }
```

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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