

# Converting Colors

XYZ(26.5587, 23.9417, 18.0920)

Have a look what the booklet for  
XYZ(26.5587, 23.9417, 18.0920)  
contains.

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# Color

**XYZ(26.4750, 23.8378,  
17.9576)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AA7B6E
RGB	170, 123, 110
RGB Percent	67%, 48%, 43%
CMY	0.3333, 0.5176, 0.5686
CMYK	0.00, 0.28, 0.35, 0.33
HSL	13°, 26%, 55%
HSV	13°, 35%, 67%
XYZ	26.4750, 23.8378, 17.9576
YIQ	135.5710, 32.1850, 5.9210

# Conversions

## Conversions Part 2

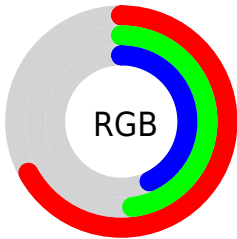
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 127, 110
Decimal	11172718
CIE Lab	55.93, 16.52, 14.33
CIE LCh	56, 21.867, 40.941
Yxy	23.8378, 0.3878, 0.3492
Android (android.graphics.Color)	4289362798 (0xFFAA7B6E)
YUV	135.5710, -12.6065, 30.1942
Hunter-Lab	48.8240, 11.3504, 12.3697

# Details

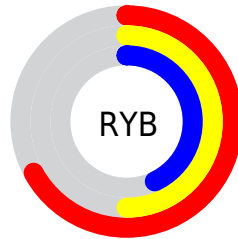
The XYZ color **26.4750, 23.8378, 17.9576** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.7426, 30.3300, 42.5277**, and the grayscale version is **23.2792, 24.4915, 26.6712**.

A 20% lighter version of the original color is **53.4110, 49.8281, 40.9851**, and **10.5207, 8.9584, 5.7321** is the 20% darker color. If you saturate the color by 10%, you get **24.0958, 20.4213, 13.0279**, and if you desaturate by 10%, it is **29.2577, 27.7770, 23.8984**.

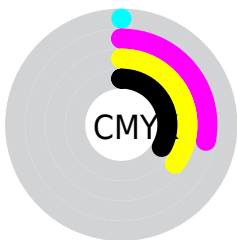
# Distribution



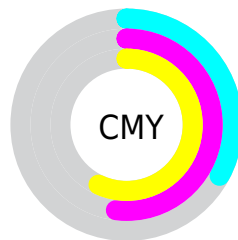
- Red (67%)
- Green (48%)
- Blue (43%)



- Red (67%)
- Yellow (50%)
- Blue (43%)



- Cyan (0%)
- Magenta (28%)
- Yellow (35%)
- Black (33%)




- Cyan (33%)
- Magenta (52%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.4750, 23.8378, 17.9576 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 26.4750, 23.8378, 17.9576 by changing the saturation by 10% instead.





 26.4750, 23.8378,  
17.9576


 26.4750, 23.8378,  
17.9576


277.3202,  
271.9994, 252.8600

 17.3139, 15.2133,  
10.7504


 53.4661, 49.7654,  
40.7780


 10.5552, 8.9693,  
5.7872


 72.0268, 67.8373,  
57.2284

 5.8337, 4.7211,  
2.6494


 94.4514, 89.8272,  
77.5968

 2.7839, 2.0846,  
0.9178

 121.1052,  
116.1194, 102.3020

 1.0405, 0.6559,  
0.0000

152.3537,  
147.0983, 131.7623

 0.0000, 0.0000,  
0.0000

188.5621,

183.1483, 166.3964

230.0958,  
224.6539, 206.6228

■ 26.4750, 23.8378,  
17.9576

■ 26.4750, 23.8378,  
17.9576

■ 24.0958, 20.4213,  
13.0279

■ 29.2577, 27.7770,  
23.8984

■ 22.0991, 17.5019,  
9.0511

■ 32.4600, 32.2563,  
30.9012

■ 20.4647, 15.0572,  
5.9655

■ 36.0992, 37.2964,  
39.0149

■ 19.1696, 13.0614,  
3.7013

■ 40.1912, 42.9159,  
48.2852

■ 18.1880, 11.4861,  
2.1782

■ 44.7511, 49.1325,  
58.7552

■ 17.4893, 10.2994,  
1.2960

■ 49.7932, 55.9632,  
70.4656

■ 17.2343, 9.8595,  
0.9947

■ 55.3311, 63.4244,  
83.4553

■ 61.3782, 71.5318,  
97.7615

■ 66.6316, 79.7742,  
106.4938

# Harmonies

## Analogous

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



27.6977, 23.8378, 23.4355



26.4750, 23.8378, 17.9576



24.2590, 23.8378, 15.0204

# Triad

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



26.4750, 23.8378, 17.9576



18.4210, 23.8378, 21.7250



23.5793, 23.8378, 41.9047

# Complementary

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



26.4750, 23.8378, 17.9576



25.7426, 30.3300, 42.5277

# 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.



21.1274, 23.8378, 41.2162



26.4750, 23.8378, 17.9576



18.2684, 23.8378, 28.6495

# Square

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



26.4750, 23.8378, 17.9576



19.6585, 23.8378, 16.9038



19.2251, 23.8378, 36.0323



25.9461, 23.8378, 37.7699



# Rectangle

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



26.4750, 23.8378, 17.9576



22.5785, 23.8378, 14.5050



19.2251, 23.8378, 36.0323



22.7359, 23.8378, 42.2466

# Sweetspot

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



26.4756, 23.8389, 17.9581



61.5011, 62.1447, 61.8456



28.2394, 22.1324, 34.6820



13.5259, 13.5962, 13.3714



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123



# Same Dimension

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



26.4756, 23.8389, 17.9581



44.7455, 38.5352, 25.7348



30.7834, 32.4544, 19.3940



7.6581, 7.7962, 7.8905



12.7126, 7.3226, 0.7434



0.3447, 0.2489, 0.0299



# Inverse Universe

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



25.7426, 30.3300, 42.5277



43.2082, 51.9870, 76.7591



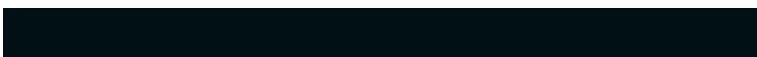
21.2757, 21.3962, 41.0387



7.6075, 8.2520, 9.6102



11.5649, 14.5901, 30.1821



0.3148, 0.4219, 0.7455



# Previews

## White Background



This preview shows how the XYZ color 26.4750, 23.8378, 17.9576 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 26.4750, 23.8378, 17.9576 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 26.4750, 23.8378, 17.9576**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.4750, 23.8378, 17.9576.



This preview shows how white text looks on a background with the XYZ color 26.4750, 23.8378,



# 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

26.4750, 23.8378, 17.9576

### Protanopia

22.6041, 23.9507, 19.6512

### Deuteranopia

24.3209, 23.8726, 17.7940



## Tritanopia

27.6922, 23.7886, 23.9010

# Trichromacy



## Original Color

26.4750, 23.8378, 17.9576

## Protanomaly

23.9122, 23.8329, 18.9627

## Deuteranomaly

25.0476, 23.8599, 17.7533

## Tritanomaly

27.1448, 23.7378, 21.5635

# Monochromacy



## Original Color

26.4750, 23.8378, 17.9576

## Achromatopsia

23.4014, 24.6201, 26.8113

## Achromatomaly

24.1598, 24.0608, 23.4495

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.4750, 23.8378, 17.9576 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(170, 123, 110)` looks like.

```
.text, #text, p{  
    color:rgb(170, 123, 110)  
}
```

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(170, 123, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 123, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 26.4750, 23.8378, 17.9576 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(170, 123, 110) }
```



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

```
.border{ border-color:rgb(170, 123, 110) }
```

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

Here you see how a box with a 4 pixel rgb(170, 123, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 123, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 123, 110);  
box-shadow:4px 4px 4px 4px rgb(170, 123,  
110) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.4750, 23.8378, 17.9576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 123, 110) }
```

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

```
.background{ background-color: rgb(170,  
123, 110) }
```

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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