

# Converting Colors

XYZ(28.2575, 24.7567, 18.0410)

Have a look what the booklet for  
XYZ(28.2575, 24.7567, 18.0410)  
contains.

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# Color

**XYZ(28.2575, 24.7567,  
18.0410)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B27B6E
RGB	178, 123, 110
RGB Percent	70%, 48%, 43%
CMY	0.3020, 0.5176, 0.5686
CMYK	0.00, 0.31, 0.38, 0.30
HSL	11°, 31%, 56%
HSV	11°, 38%, 70%
XYZ	28.2575, 24.7567, 18.0410
YIQ	137.9630, 36.9530, 7.6170

# Conversions

## Conversions Part 2

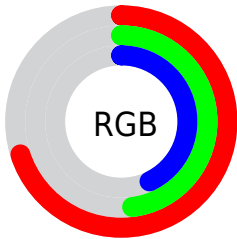
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	178, 126, 110
Decimal	11697006
CIE <sub>Lab</sub>	56.84, 19.75, 15.73
CIE <sub>LCh</sub>	57, 25.254, 38.535
Yxy	24.7567, 0.3977, 0.3484
Android (android.graphics.Color)	4289887086 (0xFFB27B6E)
YUV	137.9630, -13.7858, 35.1124
Hunter-Lab	49.7561, 14.3006, 13.3314

# Details

The XYZ color **28.2575, 24.7567, 18.0410** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **27.9208, 33.4382, 47.1020**, and the grayscale version is **24.1850, 25.4445, 27.7090**.

A 20% lighter version of the original color is **56.3079, 51.3215, 41.1207**, and **11.4867, 9.4563, 5.7773** is the 20% darker color. If you saturate the color by 10%, you get **25.7276, 21.0952, 12.8871**, and if you desaturate by 10%, it is **31.2460, 29.0237, 24.3087**.

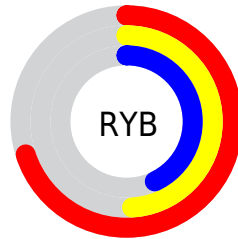
# Distribution



Red (70%)

Green (48%)

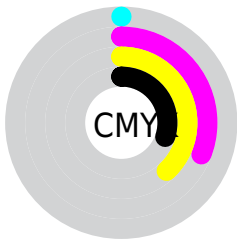
Blue (43%)



Red (70%)

Yellow (49%)

Blue (43%)

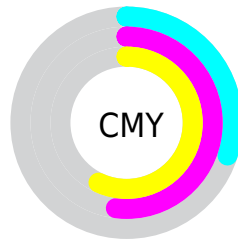


Cyan (0%)

Magenta (31%)

Yellow (38%)

Black (30%)



Cyan (30%)

Magenta (52%)

Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2575, 24.7567, 18.0410 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 28.2575, 24.7567, 18.0410 by changing the saturation by 10% instead.





 28.2575, 24.7567,  
18.0410


 28.2575, 24.7567,  
18.0410


285.7531,  
276.6241, 253.3459


 18.6613, 15.8959,  
10.8097


 56.3011, 51.2622,  
40.9221


 11.5284, 9.4505,  
5.8264


 75.4791, 69.6758,  
57.4089

 6.4933, 5.0362,  
2.6728


 98.5819, 92.0423,  
77.8179

 3.1908, 2.2685,  
0.9297

 125.9747,  
118.7463, 102.5678

 1.2554, 0.7570,  
0.0000

158.0228,  
150.1720, 132.0770

 0.1495, 0.0000,  
0.0000

195.0917,

 0.0000, 0.0000,

186.7040, 166.7640

0.0000

237.5467,  
228.7266, 207.0475

■ 28.2575, 24.7567,  
18.0410

■ 28.2575, 24.7567,  
18.0410

■ 25.7276, 21.0952,  
12.8871

■ 31.2460, 29.0237,  
24.3087

■ 23.6313, 18.0081,  
8.7800

■ 34.7126, 33.9184,  
31.7490

■ 21.9439, 15.4670,  
5.6478


■ 38.6782, 39.4662,  
40.4181

■ 20.6375, 13.4392,  
3.4085


■ 43.1615, 45.6901,  
50.3684


■ 19.6803, 11.8890,  
1.9670


■ 48.1806, 52.6118,  
61.6490


 19.0277, 10.7721,  
1.1683

 53.7525, 60.2522,  
74.3066

 18.9332, 10.6113,  
1.0503

 59.8934, 68.6313,  
88.3856

 66.6191, 77.7682,  
103.9283

 71.3992, 86.6633,  
107.5723

# Harmonies

## Analogous

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



29.6044, 24.7567, 24.6137



28.2575, 24.7567, 18.0410



25.6701, 24.7567, 14.4774

# Triad

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



28.2575, 24.7567, 18.0410



18.6318, 24.7567, 21.4322



24.3833, 24.7567, 46.4479

# Complementary

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



28.2575, 24.7567, 18.0410



27.9208, 33.4382, 47.1020

# 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.



21.5132, 24.7567, 45.0988



28.2575, 24.7567, 18.0410



18.3500, 24.7567, 29.4420

# Square

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



28.2575, 24.7567, 18.0410



20.1673, 24.7567, 16.1313



19.3624, 24.7567, 38.4091



27.2482, 24.7567, 41.7823



# Rectangle

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



28.2575, 24.7567, 18.0410



23.6760, 24.7567, 13.7482



19.3624, 24.7567, 38.4091



23.3856, 24.7567, 46.6995

# Sweetspot

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



28.2581, 24.7579, 18.0415



67.8946, 68.4364, 68.3583



30.7763, 23.3531, 38.7379



14.8255, 14.8595, 14.6704



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



28.2581, 24.7579, 18.0415



47.2521, 39.1244, 24.5663



33.1415, 34.5247, 19.6693



8.6236, 8.7596, 8.8888



13.5826, 7.6638, 0.7634



0.4663, 0.3189, 0.0370



# Inverse Universe

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



27.9208, 33.4382, 47.1020



46.5277, 57.1177, 84.9537



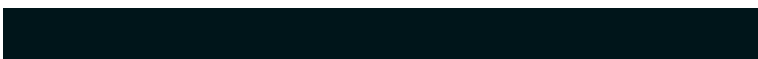
22.6546, 22.9058, 45.3466



8.6018, 9.3498, 10.8577



12.9249, 16.6503, 32.6696



0.4422, 0.5950, 1.0398



# Previews

## White Background



This preview shows how the XYZ color 28.2575, 24.7567, 18.0410 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

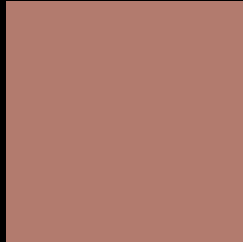
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.2575, 24.7567, 18.0410 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 28.2575, 24.7567, 18.0410**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.2575, 24.7567, 18.0410.



This preview shows how white text looks on a background with the XYZ color 28.2575, 24.7567,



# 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

28.2575, 24.7567, 18.0410

### Protanopia

23.4581, 24.7986, 20.0732

### Deuteranopia

25.3203, 24.7889, 17.6376



## Tritanopia

29.5013, 24.7212, 23.9857

# Trichromacy



## Original Color

28.2575, 24.7567, 18.0410

## Protanomaly

24.8639, 24.5154, 19.3411

## Deuteranomaly

26.4158, 24.7580, 17.8545

## Tritanomaly

28.9406, 24.6636, 21.6476

# Monochromacy



## Original Color

28.2575, 24.7567, 18.0410

## Achromatopsia

24.1572, 25.4152, 27.6772

## Achromatomaly

25.4207, 25.1059, 23.9282

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.2575, 24.7567, 18.0410 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(178, 123, 110)` looks like.

```
.text, #text, p{  
    color:rgb(178, 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(178, 123, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 123, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 28.2575, 24.7567, 18.0410 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(178, 123, 110) }
```



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

```
.border{ border-color:rgb(178, 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(178, 123, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 123, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 123, 110); box-shadow:4px 4px 4px 4px rgb(178, 123, 110) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.2575, 24.7567, 18.0410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 123, 110) }
```

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

```
.background{ background-color: rgb(178,  
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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