

# Converting Colors

XYZ(27.7442, 24.4053, 16.3139)

Have a look what the booklet for  
XYZ(27.7442, 24.4053, 16.3139)  
contains.

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# Color

**XYZ(27.8183, 24.3835,  
16.3370)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B27A68
RGB	178, 122, 104
RGB Percent	70%, 48%, 41%
CMY	0.3020, 0.5216, 0.5922
CMYK	0.00, 0.31, 0.42, 0.30
HSL	15°, 32%, 55%
HSV	15°, 42%, 70%
XYZ	27.8183, 24.3835, 16.3370
YIQ	136.6920, 39.1540, 6.2740

# Conversions

## Conversions Part 2

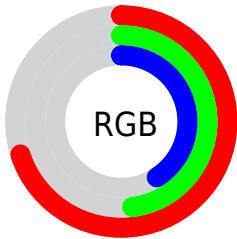
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	178, 128, 104
Decimal	11696744
CIE <sub>Lab</sub>	56.47, 19.60, 18.67
CIE <sub>LCh</sub>	56, 27.072, 43.608
Yxy	24.3835, 0.4059, 0.3558
Android (android.graphics.Color)	4289886824 (0xFFB27A68)
YUV	136.6920, -16.1172, 36.2271
Hunter-Lab	49.3797, 14.1446, 14.9500

# Details

The XYZ color **27.8183, 24.3835, 16.3370** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **26.3151, 31.2978, 46.7735**, and the grayscale version is **23.7107, 24.9455, 27.1656**.

A 20% lighter version of the original color is **55.5073, 50.6887, 37.8687**, and **11.2894, 9.2714, 5.0654** is the 20% darker color. If you saturate the color by 10%, you get **25.4671, 20.9785, 11.5536**, and if you desaturate by 10%, it is **30.5909, 28.3257, 22.2029**.

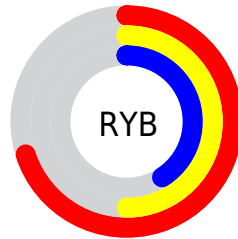
# Distribution



Red (70%)

Green (48%)

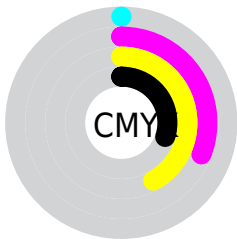
Blue (41%)



Red (70%)

Yellow (50%)

Blue (41%)

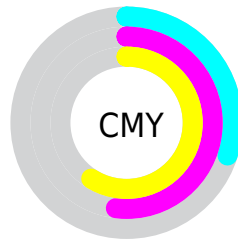


Cyan (0%)

Magenta (31%)

Yellow (42%)

Black (30%)



Cyan (30%)

Magenta (52%)

Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8183, 24.3835, 16.3370 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 27.8183, 24.3835, 16.3370 by changing the saturation by 10% instead.




 27.8183, 24.3835,  
16.3370


 27.8183, 24.3835,  
16.3370


283.6935,  
274.7536, 243.2354


 18.3285, 15.6183,  
9.6060


 55.6049, 50.6553,  
37.9572


 11.2872, 9.2545,  
5.0363


 74.6324, 68.9307,  
53.6834

 6.3291, 4.9075,  
2.2095


 97.5698, 91.1450,  
73.2452

 3.0887, 2.1931,  
0.6798

 124.7825,  
117.6826, 97.0610

 1.2009, 0.7162,  
0.0000

156.6359,  
148.9279, 125.5494

 0.1071, 0.0000,  
0.0000

193.4953,

 0.0000, 0.0000,

185.2652, 159.1289

0.0000

235.7261,  
227.0790, 198.2180

■ 27.8183, 24.3835,  
16.3370

■ 27.8183, 24.3835,  
16.3370

■ 25.4671, 20.9785,  
11.5536

■ 30.5909, 28.3257,  
22.2029

■ 23.5139, 18.0836,  
7.7844

■ 33.8028, 32.8236,  
29.2110

■ 21.9358, 15.6744,  
4.9554


■ 37.4733, 37.8993,  
37.4183


■ 20.7066, 13.7233,  
2.9818


■ 41.6199, 43.5724,  
46.8777


■ 19.7963, 12.1995,  
1.7633


■ 46.2591, 49.8618,  
57.6388

 19.2351, 11.2151,  
1.1509

 51.4066, 56.7853,  
69.7485

 57.0774, 64.3602,  
83.2514

 63.2861, 72.6031,  
98.1900

 68.5291, 80.9230,  
106.6156

# Harmonies

## Analogous

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



29.5394, 24.3835, 22.6927



27.8183, 24.3835, 16.3370



24.9182, 24.3835, 13.1967

# Triad

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



27.8183, 24.3835, 16.3370



17.8624, 24.3835, 21.9712



24.6226, 24.3835, 47.1020

# Complementary

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



27.8183, 24.3835, 16.3370



26.3151, 31.2978, 46.7735

# 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.



21.5166, 24.3835, 46.7847



27.8183, 24.3835, 16.3370



17.7988, 24.3835, 30.8203

# Square

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



27.8183, 24.3835, 16.3370



19.2632, 24.3835, 15.9119



19.0808, 24.3835, 40.3194



27.5852, 24.3835, 41.1076



# Rectangle

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



27.8183, 24.3835, 16.3370



22.7986, 24.3835, 12.7824



19.0808, 24.3835, 40.3194



23.5571, 24.3835, 47.7649

# Sweetspot

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



27.8189, 24.3847, 16.3375



67.5075, 68.1116, 66.8439



29.7200, 21.9296, 36.2615



14.7582, 14.8173, 14.3628



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.



27.8189, 24.3847, 16.3375



46.4605, 38.4491, 21.5033



33.1312, 35.0093, 18.1082



8.6587, 8.8300, 8.9005



13.8054, 8.1095, 0.8377



0.4807, 0.3478, 0.0418



# Inverse Universe

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



26.3151, 31.2978, 46.7735



43.3288, 52.6447, 84.2589



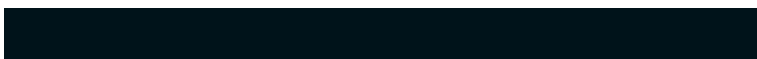
20.9193, 20.5062, 44.9749



8.5640, 9.2743, 10.8451



11.9693, 14.7390, 32.3511



0.4188, 0.5482, 1.0320



# Previews

## White Background



This preview shows how the XYZ color 27.8183, 24.3835, 16.3370 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 27.8183, 24.3835, 16.3370 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

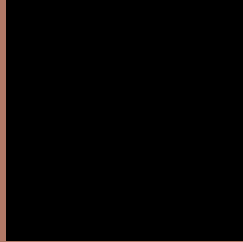
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 27.8183, 24.3835, 16.3370**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.8183, 24.3835, 16.3370.



This preview shows how white text looks on a background with the XYZ color 27.8183, 24.3835,



# 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

27.8183, 24.3835, 16.3370

### Protanopia

23.1202, 24.6634, 18.2938

### Deuteranopia

24.8781, 24.3982, 15.9685



## Tritanopia

29.3155, 24.4555, 23.5974

# Trichromacy



## Original Color

27.8183, 24.3835, 16.3370

## Protanomaly

24.5334, 24.3832, 17.6007

## Deuteranomaly

25.9739, 24.3735, 16.1675

## Tritanomaly

28.6367, 24.3486, 20.6432

# Monochromacy



## Original Color

27.8183, 24.3835, 16.3370

## Achromatopsia

23.7775, 25.0158, 27.2422

## Achromatomaly

24.9018, 24.6586, 22.8492

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.8183, 24.3835, 16.3370 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, 122, 104)` looks like.

```
.text, #text, p{  
  color:rgb(178, 122, 104)  
}
```

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, 122, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 122, 104) }
```

## Border

The CSS property to change the border of an element to XYZ 27.8183, 24.3835, 16.3370 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, 122, 104) }
```



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

```
.border{ border-color:rgb(178, 122, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 122, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 122, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 122, 104);  
box-shadow:4px 4px 4px 4px rgb(178, 122,  
104) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.8183, 24.3835, 16.3370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 122, 104) }
```

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

```
.background{ background-color: rgb(178,  
122, 104) }
```

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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