

# Converting Colors

XYZ(30.5323, 25.6998, 17.0000)

Have a look what the booklet for  
XYZ(30.5323, 25.6998, 17.0000)  
contains.

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# Color

**XYZ(30.5473, 25.7785,  
17.0014)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BD7A6A
RGB	189, 122, 106
RGB Percent	74%, 48%, 42%
CMY	0.2588, 0.5215, 0.5843
CMYK	0.00, 0.35, 0.44, 0.26
HSL	12°, 39%, 58%
HSV	12°, 44%, 74%
XYZ	30.5473, 25.7785, 17.0014
YIQ	140.2090, 45.0680, 9.2280

# Conversions

## Conversions Part 2

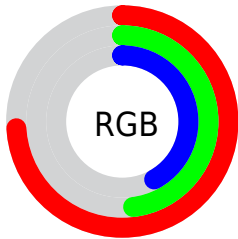
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	189, 126, 106
Decimal	12417642
CIE Lab	57.83, 24.27, 19.59
CIE LCh	58, 31.192, 38.904
Yxy	25.7785, 0.4166, 0.3516
Android (android.graphics.Color)	4290607722 (0xFFBD7A6A)
YUV	140.2090, -16.8650, 42.7897
Hunter-Lab	50.7725, 18.5426, 15.6873

# Details

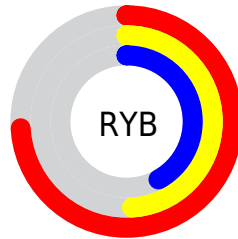
The XYZ color **30.5473, 25.7785, 17.0014** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **30.0720, 36.6238, 53.6281**, and the grayscale version is **25.0604, 26.3655, 28.7120**.

A 20% lighter version of the original color is **59.7735, 52.8684, 38.9525**, and **12.7796, 9.9370, 5.3822** is the 20% darker color. If you saturate the color by 10%, you get **27.9423, 21.9718, 11.8068**, and if you desaturate by 10%, it is **33.6643, 30.2625, 23.4358**.

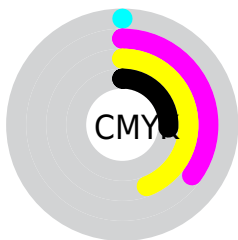
# Distribution



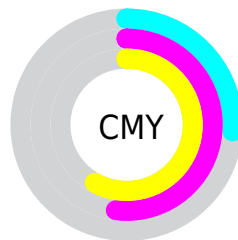
- Red (74%)
- Green (48%)
- Blue (42%)



- Red (74%)
- Yellow (49%)
- Blue (42%)



- Cyan (0%)
- Magenta (35%)
- Yellow (44%)
- Black (26%)




- Cyan (26%)
- Magenta (52%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5473, 25.7785, 17.0014 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 30.5473, 25.7785, 17.0014 by changing the saturation by 10% instead.





 30.5473, 25.7785,  
17.0014


 30.5473, 25.7785,  
17.0014

296.3115,  
281.6931, 247.2247


 20.4045, 16.6580,  
10.0735


 59.9073, 52.9174,  
39.1189


 12.7994, 9.9910,  
5.3415


 79.8553, 71.7046,  
55.1455

 7.3666, 5.3930,  
2.3868


 103.8023, 94.4828,  
75.0422

 3.7408, 2.4796,  
0.7792

 132.1139,  
121.6364, 99.2274

 1.5565, 0.8664,  
0.0000

165.1552,  
153.5499, 128.1198

 0.3638, 0.0000,  
0.0000

203.2917,

 0.0000, 0.0000,

190.6075, 162.1377

0.0000

246.8887,  
233.1938, 201.6998

■ 30.5473, 25.7785,  
17.0014

■ 30.5473, 25.7785,  
17.0014

■ 27.9423, 21.9718,  
11.8068

■ 33.6643, 30.2625,  
23.4358

■ 25.8192, 18.8055,  
7.7701

■ 37.3173, 35.4508,  
31.1817

■ 24.1479, 16.2449,  
4.8020


■ 41.5309, 41.3736,  
40.3070


■ 22.8935, 14.2502,  
2.7993

■ 46.3277, 48.0581,  
50.8745


■ 22.0159, 12.7769,  
1.6379


■ 51.7291, 55.5301,  
62.9430

 21.6306, 12.1076,  
1.1969

 57.7552, 63.8144,  
76.5683

 64.4255, 72.9344,  
91.8030

 71.4019, 82.7702,  
106.8207

 74.7962, 89.5588,  
107.9521

# Harmonies

## Analogous

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



32.3316, 25.7785, 24.9942



30.5473, 25.7785, 17.0014



27.1876, 25.7785, 12.8826

# Triad

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



30.5473, 25.7785, 17.0014



18.3755, 25.7785, 21.2771



25.6339, 25.7785, 53.7885

# Complementary

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



30.5473, 25.7785, 17.0014



30.0720, 36.6238, 53.6281

# 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.



21.9988, 25.7785, 52.0574



30.5473, 25.7785, 17.0014



18.0505, 25.7785, 31.3849

# Square

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



30.5473, 25.7785, 17.0014



20.2496, 25.7785, 14.8780



19.3115, 25.7785, 43.1242



29.3109, 25.7785, 47.3835



# Rectangle

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



30.5473, 25.7785, 17.0014



24.6398, 25.7785, 12.0793



19.3115, 25.7785, 43.1242



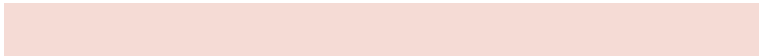
24.3641, 25.7785, 54.1672

# Sweetspot

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



30.5480, 25.7798, 17.0019



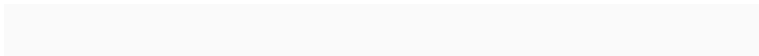
74.9545, 74.9011, 73.4417



33.7592, 24.1746, 42.8206



15.7370, 15.5730, 14.9601



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



30.5480, 25.7798, 17.0019



50.0731, 39.3934, 21.2011



36.6347, 37.9533, 19.0308



9.6751, 9.8262, 9.9633



14.5969, 8.2326, 0.8197



0.6171, 0.4132, 0.0472



# Inverse Universe

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



30.0720, 36.6238, 53.6281



49.0646, 61.3011, 95.4725



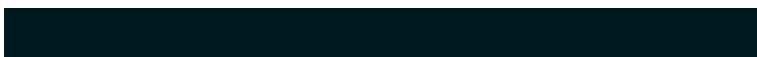
23.4191, 23.3180, 51.4105



9.6480, 10.4883, 12.1882



13.8491, 17.8100, 35.1006



0.5833, 0.7793, 1.3885



# Previews

## White Background



This preview shows how the XYZ color 30.5473, 25.7785, 17.0014 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 30.5473, 25.7785, 17.0014 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 30.5473, 25.7785, 17.0014**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.5473, 25.7785, 17.0014.



This preview shows how white text looks on a background with the XYZ color 30.5473, 25.7785,



# 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

30.5473, 25.7785, 17.0014

### Protanopia

24.3025, 25.8832, 19.6347

### Deuteranopia

26.3336, 25.9422, 16.7161



## Tritanopia

31.9790, 25.8285, 23.7220

# Trichromacy



## Original Color

30.5473, 25.7785, 17.0014

## Protanomaly

26.1571, 25.6041, 18.6024

## Deuteranomaly

27.7660, 25.8694, 16.8945

## Tritanomaly

31.3418, 25.7362, 21.0850

# Monochromacy



## Original Color

30.5473, 25.7785, 17.0014

## Achromatopsia

24.9269, 26.2251, 28.5591

## Achromatomaly

26.3844, 25.6027, 23.9733

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.5473, 25.7785, 17.0014 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(189, 122, 106)` looks like.

```
.text, #text, p{  
    color:rgb(189, 122, 106)  
}
```

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(189, 122, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 122, 106) }
```

## Border

The CSS property to change the border of an element to XYZ 30.5473, 25.7785, 17.0014 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(189, 122, 106) }
```



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

```
.border{ border-color:rgb(189, 122, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 122, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 122, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 122, 106);  
box-shadow:4px 4px 4px 4px rgb(189, 122,  
106) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.5473, 25.7785, 17.0014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 122, 106) }
```

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

```
.background{ background-color: rgb(189,  
122, 106) }
```

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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