

# Converting Colors

XYZ(30.8157, 24.9949, 21.6656)

Have a look what the booklet for  
XYZ(30.8157, 24.9949, 21.6656)  
contains.

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# Color

**XYZ(30.8604, 24.9465,  
21.6010)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BD757A
RGB	189, 117, 122
RGB Percent	74%, 46%, 48%
CMY	0.2588, 0.5412, 0.5216
CMYK	0.00, 0.38, 0.35, 0.26
HSL	356°, 35%, 60%
HSV	356°, 38%, 74%
XYZ	30.8604, 24.9465, 21.6010
YIQ	139.0980, 41.3070, 16.8190

# Conversions

## Conversions Part 2

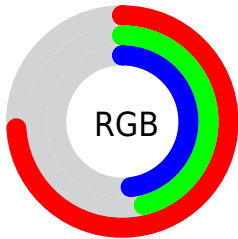
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	189, 117, 122
Decimal	12416378
CIE <sub>Lab</sub>	57.02, 28.90, 9.26
CIE <sub>LCh</sub>	57, 30.347, 17.760
Yxy	24.9465, 0.3987, 0.3223
Android (android.graphics.Color)	4290606458 (0xFFBD757A)
YUV	139.0980, -8.4293, 43.7641
Hunter-Lab	49.9465, 22.8834, 9.3206

# Details

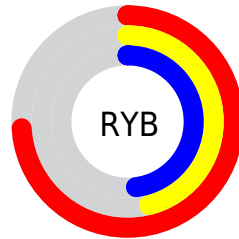
The XYZ color **30.8604, 24.9465, 21.6010** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **34.1866, 43.6383, 51.9709**, and the grayscale version is **24.5992, 25.8803, 28.1836**.

A 20% lighter version of the original color is **60.3725, 51.5796, 46.8183**, and **12.8826, 9.4819, 7.4545** is the 20% darker color. If you saturate the color by 10%, you get **27.8835, 20.5817, 15.7099**, and if you desaturate by 10%, it is **34.4805, 30.2817, 28.6801**.

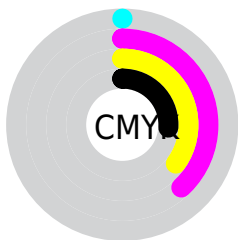
# Distribution



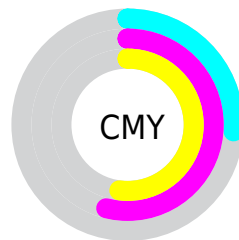
- Red (74%)
- Green (46%)
- Blue (48%)



- Red (74%)
- Yellow (46%)
- Blue (48%)



- Cyan (0%)
- Magenta (38%)
- Yellow (35%)
- Black (26%)




- Cyan (26%)
- Magenta (54%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8604, 24.9465, 21.6010 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 30.8604, 24.9465, 21.6010 by changing the saturation by 10% instead.





 30.8604, 24.9465,  
21.6010


 30.8604, 24.9465,  
21.6010


297.7330,  
277.5714, 273.3407


 20.6439, 16.0372,  
13.3685


 60.3976, 51.5704,  
46.9793

 12.9749, 9.5505,  
7.5491


 80.4489, 70.0538,  
64.9623

 7.4882, 5.1019,  
3.7242


 104.5092, 92.4974,  
87.0325

 3.8182, 2.3072,  
1.4753

132.9439,  
119.2855, 113.6084

 1.5998, 0.7775,  
0.1994

166.1182,  
150.8026, 145.1086

 0.3923, 0.0000,  
0.0000

204.3977,

 0.0000, 0.0000,

187.4330, 181.9517

0.0000

248.1475,  
229.5611, 224.5562

■ 30.8604, 24.9465,  
21.6010

■ 30.8604, 24.9465,  
21.6010

■ 27.8835, 20.5817,  
15.7099

■ 34.4805, 30.2817,  
28.6801

■ 25.5102, 17.1256,  
10.9402

■ 38.7762, 36.6370,  
37.0059

■ 23.6997, 14.5152,  
7.2212


■ 43.7803, 44.0630,  
46.6348


■ 22.4052, 12.6776,  
4.4734


■ 49.5228, 52.6058,  
57.6193

■ 21.5725, 11.5280,  
2.6059


■ 56.0320, 62.3090,  
70.0094

 21.1225, 10.9359,  
1.5064

 63.3346, 73.2136,  
83.8520

 21.0597, 10.8482,  
1.3686

 71.4561, 85.3588,  
99.1922

 74.7963, 89.5588,  
107.9521

# Harmonies

## Analogous

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



31.0646, 24.9465, 31.5432



30.8604, 24.9465, 21.6010



28.6266, 24.9465, 15.0617

# Triad

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



30.8604, 24.9465, 21.6010



18.9873, 24.9465, 15.9826



22.2864, 24.9465, 51.2341

# Complementary

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



30.8604, 24.9465, 21.6010



34.1866, 43.6383, 51.9709

# 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.



19.3929, 24.9465, 44.4530



30.8604, 24.9465, 21.6010



17.6202, 24.9465, 23.2074

# Square

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



30.8604, 24.9465, 21.6010



21.6799, 24.9465, 12.4223



17.7608, 24.9465, 33.6050



25.8650, 24.9465, 50.4904



# Rectangle

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



30.8604, 24.9465, 21.6010



26.4026, 24.9465, 12.7367



17.7608, 24.9465, 33.6050



21.2087, 24.9465, 49.7006

# Sweetspot

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



30.8611, 24.9477, 21.6015



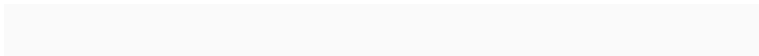
75.5086, 74.6065, 77.9509



35.0757, 26.4652, 51.4038



15.9724, 15.6498, 16.2527



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.



30.8611, 24.9477, 21.6015



50.5979, 37.8248, 29.4475



34.6316, 32.9716, 21.3700



9.5563, 9.5468, 10.0525



14.1805, 7.3033, 0.9780



0.5647, 0.2898, 0.0871



# Inverse Universe

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



30.8611, 24.9477, 21.6015



50.5979, 37.8248, 29.4475



28.9206, 32.2534, 52.8454



9.5563, 9.5468, 10.0525



14.1805, 7.3033, 0.9780



0.5647, 0.2898, 0.0871



# Previews

## White Background



This preview shows how the XYZ color 30.8604, 24.9465, 21.6010 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

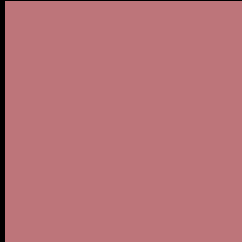
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 30.8604, 24.9465, 21.6010 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

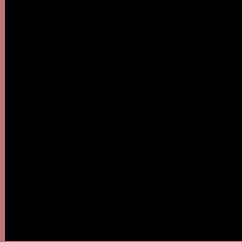
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 30.8604, 24.9465, 21.6010**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.8604, 24.9465, 21.6010.



This preview shows how white text looks on a background with the XYZ color 30.8604, 24.9465,



# 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

30.8604, 24.9465, 21.6010

### Protanopia

24.1638, 25.2475, 25.7900

### Deuteranopia

25.4857, 25.0025, 20.9355



## Tritanopia

30.9333, 24.7903, 22.5567

# Trichromacy



## Original Color

30.8604, 24.9465, 21.6010

## Protanomaly

26.0456, 24.8193, 24.1867

## Deuteranomaly

27.3417, 24.9698, 21.1479

## Tritanomaly

30.8697, 24.7648, 22.2219

# Monochromacy



## Original Color

30.8604, 24.9465, 21.6010

## Achromatopsia

24.5403, 25.8183, 28.1161

## Achromatomaly

26.2546, 25.0942, 25.6502

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.8604, 24.9465, 21.6010 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, 117, 122)` looks like.

```
.text, #text, p{  
    color:rgb(189, 117, 122)  
}
```

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, 117, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 117, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 30.8604, 24.9465, 21.6010 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, 117, 122) }
```



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

```
.border{ border-color:rgb(189, 117, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 117, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 117, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 117, 122);  
box-shadow:4px 4px 4px 4px rgb(189, 117,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.8604, 24.9465, 21.6010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 117, 122) }
```

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

```
.background{ background-color: rgb(189,  
117, 122) }
```

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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