

# Converting Colors

XYZ(31.5810, 26.2454, 19.5456)

Have a look what the booklet for  
XYZ(31.5810, 26.2454, 19.5456)  
contains.

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# Color

**XYZ(31.5399, 26.2332,  
19.6208)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BF7A73
RGB	191, 122, 115
RGB Percent	75%, 48%, 45%
CMY	0.2510, 0.5215, 0.5490
CMYK	0.00, 0.36, 0.40, 0.25
HSL	6°, 37%, 60%
HSV	6°, 40%, 75%
XYZ	31.5399, 26.2332, 19.6208
YIQ	141.8330, 43.3710, 12.4510

# Conversions

## Conversions Part 2

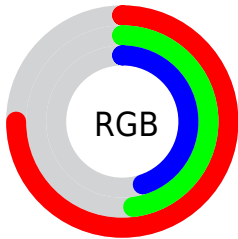
Format	Color
R <sub>Y</sub> B	191, 123, 115
Decimal	12548723
CIE Lab	58.26, 26.08, 15.06
CIE LCh	58, 30.121, 30.008
Yxy	26.2332, 0.4075, 0.3390
Android (android.graphics.Color)	4290738803 (0xFFBF7A73)
YUV	141.8330, -13.2287, 43.1195
Hunter-Lab	51.2184, 20.2869, 13.1400

# Details

The XYZ color **31.5399, 26.2332, 19.6208** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **33.6140, 41.6858, 55.5648**, and the grayscale version is **25.6843, 27.0219, 29.4269**.

A 20% lighter version of the original color is **61.3719, 53.5897, 43.6684**, and **13.3222, 10.1909, 6.5751** is the 20% darker color. If you saturate the color by 10%, you get **28.6102, 21.9542, 13.7721**, and if you desaturate by 10%, it is **35.0786, 31.3656, 26.7965**.

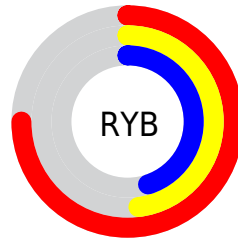
# Distribution



Red (75%)

Green (48%)

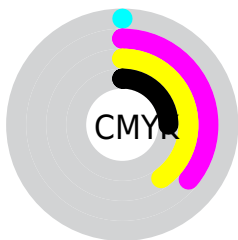
Blue (45%)



Red (75%)

Yellow (48%)

Blue (45%)

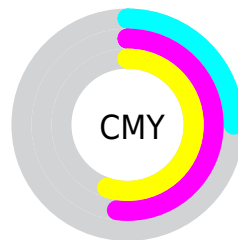


Cyan (0%)

Magenta (36%)

Yellow (40%)

Black (25%)



Cyan (25%)

Magenta (52%)

Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5399, 26.2332, 19.6208 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 31.5399, 26.2332, 19.6208 by changing the saturation by 10% instead.



■ 31.5399, 26.2332,  
19.6208

■ 31.5399, 26.2332,  
19.6208

300.8006,  
283.9250, 262.3908

■ 21.1642, 16.9982,  
11.9384

■ 61.4592, 53.6509,  
43.6311

■ 13.3572, 10.2332,  
6.5797

■ 81.7334, 72.6024,  
60.7960

■ 7.7537, 5.5538,  
3.1262

■ 106.0379, 95.5615,  
81.9589

■ 3.9882, 2.5757,  
1.1594

134.7379,  
122.9126, 107.5382

■ 1.6955, 0.9145,  
0.0000

168.1988,  
155.0401, 137.9525

■ 0.4534, 0.0000,  
0.0000

206.7860,

■ 0.0000, 0.0000,

192.3284, 173.6203

0.0000

250.8648,  
235.1619, 214.9603

■ 31.5399, 26.2332,  
19.6208

■ 31.5399, 26.2332,  
19.6208

■ 28.6102, 21.9542,  
13.7721

■ 35.0786, 31.3656,  
26.7965

■ 26.2530, 18.4786,  
9.1674

■ 39.2559, 37.3902,  
35.3721

■ 24.4313, 15.7574,  
5.7170


■ 44.1019, 44.3480,  
45.4170


■ 23.1025, 13.7343,  
3.3183


■ 49.6443, 52.2762,  
56.9956


■ 22.2178, 12.3453,  
1.8506

■ 55.9091, 61.2102,  
70.1685

 21.7038, 11.5088,  
1.0890

 62.9210, 71.1835,  
84.9929

 21.6958, 11.4962,  
1.0755

 70.7035, 82.2281,  
101.5233

 75.2959, 89.8164,  
107.9755

# Harmonies

## Analogous

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



32.6565, 26.2332, 28.5607



31.5399, 26.2332, 19.6208



28.6208, 26.2332, 14.4191

# Triad

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



31.5399, 26.2332, 19.6208



19.3205, 26.2332, 19.6245



24.9348, 26.2332, 53.8387

# Complementary

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



31.5399, 26.2332, 19.6208



33.6140, 41.6858, 55.5648

# 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.



21.5780, 26.2332, 49.8236



31.5399, 26.2332, 19.6208



18.5362, 26.2332, 28.5663

# Square

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



31.5399, 26.2332, 19.6208



21.5764, 26.2332, 14.4208



19.3214, 26.2332, 39.8788



28.6227, 26.2332, 49.8196



# Rectangle

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



31.5399, 26.2332, 19.6208



26.1753, 26.2332, 12.9541



19.3214, 26.2332, 39.8788



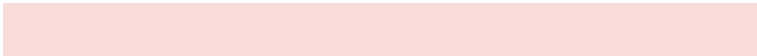
23.7323, 26.2332, 53.3734

# Sweetspot

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



31.5406, 26.2345, 19.6213



76.7920, 76.2809, 76.7784



36.3385, 26.8268, 48.9776



16.6041, 16.3794, 16.3227



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



31.5406, 26.2345, 19.6213



51.7332, 40.0418, 25.6396



37.0360, 37.2254, 21.4531



9.5990, 9.6740, 9.9380



14.2851, 7.6089, 0.7158



0.5837, 0.3464, 0.0361



# Inverse Universe

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



33.6140, 41.6858, 55.5648



55.9516, 71.6007, 99.1505



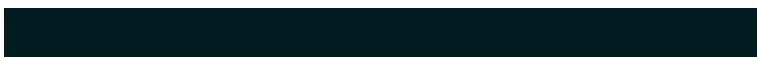
26.8564, 28.1706, 53.3122



9.7314, 10.6551, 12.2159



16.0823, 22.2763, 35.8450



0.6521, 0.9169, 1.4115



# Previews

## White Background



This preview shows how the XYZ color 31.5399, 26.2332, 19.6208 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

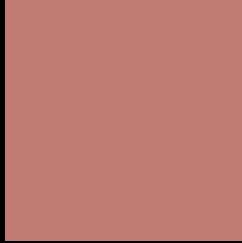
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 31.5399, 26.2332, 19.6208 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 31.5399, 26.2332, 19.6208**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.5399, 26.2332, 19.6208.



This preview shows how white text looks on a background with the XYZ color 31.5399, 26.2332,



# 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

31.5399, 26.2332, 19.6208

### Protanopia

25.0488, 26.4144, 22.8471

### Deuteranopia

26.9545, 26.4127, 19.3003



## Tritanopia

32.4171, 26.2244, 24.1221

# Trichromacy



## Original Color

31.5399, 26.2332, 19.6208

## Protanomaly

26.9430, 25.9421, 21.6764

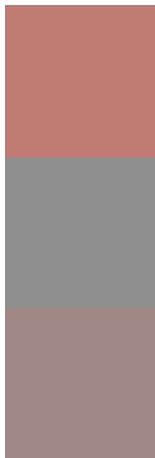
## Deuteranomaly

28.4755, 26.1788, 19.4718

## Tritanomaly

32.2137, 26.3364, 22.4544

# Monochromacy



## Original Color

31.5399, 26.2332, 19.6208

## Achromatopsia

25.7108, 27.0498, 29.4572

## Achromatomaly

27.3260, 26.4675, 25.4983

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.5399, 26.2332, 19.6208 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(191, 122, 115)` looks like.

```
.text, #text, p{  
    color:rgb(191, 122, 115)  
}
```

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(191, 122, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 122, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 31.5399, 26.2332, 19.6208 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(191, 122, 115) }
```



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

```
.border{ border-color:rgb(191, 122, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 122, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 122, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 122, 115);  
box-shadow:4px 4px 4px 4px rgb(191, 122,  
115) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.5399, 26.2332, 19.6208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 122, 115) }
```

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

```
.background{ background-color: rgb(191,  
122, 115) }
```

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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