

# Converting Colors

XYZ(32.0816, 29.6027, 23.4250)

Have a look what the booklet for  
XYZ(32.0816, 29.6027, 23.4250)  
contains.

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# Color

**XYZ(32.0816, 29.6027,  
23.4250)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B68A7D
RGB	182, 138, 125
RGB Percent	71%, 54%, 49%
CMY	0.2863, 0.4588, 0.5098
CMYK	0.00, 0.24, 0.31, 0.29
HSL	14°, 28%, 60%
HSV	14°, 31%, 71%
XYZ	32.0816, 29.6027, 23.4250
YIQ	149.6740, 30.3970, 5.2850

# Conversions

## Conversions Part 2

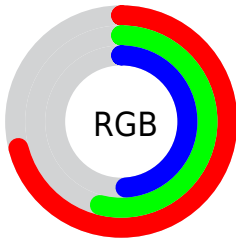
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	182, 142, 125
Decimal	11963005
CIE Lab	61.31, 14.90, 13.45
CIE LCh	61, 20.073, 42.080
Yxy	29.6027, 0.3769, 0.3478
Android (android.graphics.Color)	4290153085 (0xFFB68A7D)
YUV	149.6740, -12.1643, 28.3499
Hunter-Lab	54.4084, 10.0369, 12.5591

# Details

The XYZ color **32.0816, 29.6027, 23.4250** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **31.0885, 36.1123, 49.5881**, and the grayscale version is **28.8928, 30.3975, 33.1029**.

A 20% lighter version of the original color is **62.4821, 59.2643, 50.2655**, and **13.6963, 12.0904, 8.4493** is the 20% darker color. If you saturate the color by 10%, you get **29.1371, 25.4069, 17.2234**, and if you desaturate by 10%, it is **35.5015, 34.4079, 30.8368**.

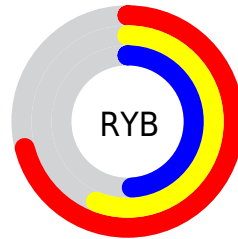
# Distribution



Red (71%)

Green (54%)

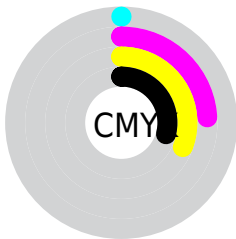
Blue (49%)



Red (71%)

Yellow (56%)

Blue (49%)

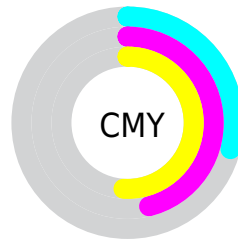


Cyan (0%)

Magenta (24%)

Yellow (31%)

Black (29%)



Cyan (29%)

Magenta (46%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0816, 29.6027, 23.4250 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 32.0816, 29.6027, 23.4250 by changing the saturation by 10% instead.





 32.0816, 29.6027,  
23.4250


 32.0816, 29.6027,  
23.4250


303.2295,  
300.0481, 283.0928


 21.5797, 19.5372,  
14.6994


 62.3033, 59.0333,  
50.0222

 13.6633, 12.0591,  
8.4644


 82.7538, 79.1672,  
68.7310

 7.9670, 6.7839,  
4.3015


 107.2513,  
103.4261, 91.6045

 4.1254, 3.3273,  
1.7922

136.1610,  
132.1942, 119.0613

 1.7733, 1.3049,  
0.4228

169.8483,  
165.8561, 151.5200

 0.5015, 0.1450,  
0.0000

208.6786,

 0.0000, 0.0000,

204.7962, 189.3991

0.0000

253.0172,  
249.3987, 233.1172

■ 32.0816, 29.6027,  
23.4250

■ 32.0816, 29.6027,  
23.4250

■ 29.1371, 25.4069,  
17.2234

■ 35.5015, 34.4079,  
30.8368

■ 26.6440, 21.7919,  
12.1655

■ 39.4145, 39.8415,  
39.5168

■ 24.5799, 18.7327,  
8.1812


■ 43.8404, 45.9267,  
49.5214


■ 22.9191, 16.2012,  
5.1918


■ 48.7972, 52.6843,  
60.9031


■ 21.6332, 14.1665,  
3.1076

■ 54.3019, 60.1341,  
73.7116


 20.6896, 12.5940,  
1.8229

 60.3708, 68.2953,  
87.9940

 20.1026, 11.5673,  
1.1732

 67.0195, 77.1861,  
103.7953

 71.6480, 85.7780,  
107.3883

 73.1015, 88.6851,  
107.8728

# Harmonies

## Analogous

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



33.4072, 29.6027, 29.2798



32.0816, 29.6027, 23.4250



29.7301, 29.6027, 20.2672

# Triad

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



32.0816, 29.6027, 23.4250



23.5705, 29.6027, 27.9562



29.2141, 29.6027, 48.6718

# Complementary

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



32.0816, 29.6027, 23.4250



31.0885, 36.1123, 49.5881

# 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.



26.6008, 29.6027, 48.1682



32.0816, 29.6027, 23.4250



23.4515, 29.6027, 35.3769

# Square

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



32.0816, 29.6027, 23.4250



24.8646, 29.6027, 22.5872



24.5288, 29.6027, 43.0095



31.6835, 29.6027, 44.2935



# Rectangle

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



32.0816, 29.6027, 23.4250



27.9523, 29.6027, 19.7600



24.5288, 29.6027, 43.0095



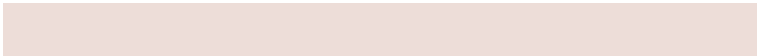
28.3215, 29.6027, 49.0848

# Sweetspot

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



32.0824, 29.6041, 23.4256



73.1157, 74.5200, 75.3649



33.8479, 27.5017, 41.3815



15.9021, 16.1185, 16.0912



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



32.0824, 29.6041, 23.4256



54.1716, 47.9927, 34.0257



36.6023, 38.6440, 24.9323



9.1664, 9.3358, 9.4258



14.2388, 8.2540, 0.8427



0.5497, 0.3865, 0.0456



# Inverse Universe

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



31.0885, 36.1123, 49.5881



52.0542, 61.7445, 89.4101



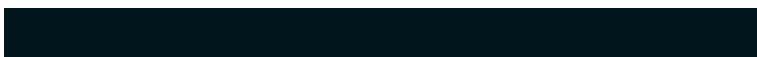
26.4483, 26.8317, 48.0413



9.0883, 9.8538, 11.5024



12.6868, 15.8334, 33.6405



0.4905, 0.6446, 1.2003



# Previews

## White Background



This preview shows how the XYZ color 32.0816, 29.6027, 23.4250 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

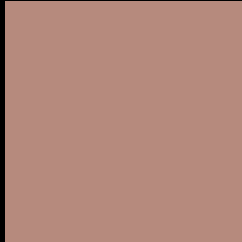
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 32.0816, 29.6027, 23.4250 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

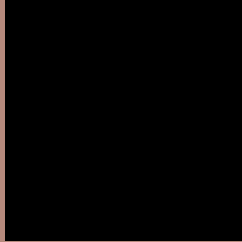
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 32.0816, 29.6027, 23.4250**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.0816, 29.6027, 23.4250.



This preview shows how white text looks on a background with the XYZ color 32.0816, 29.6027,

23.4250.

# 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

32.0816, 29.6027, 23.4250

### Protanopia

28.1367, 29.7601, 25.3804

### Deuteranopia

30.2551, 29.7581, 23.2180



## Tritanopia

33.5420, 29.5626, 30.7264

# Trichromacy



## Original Color

32.0816, 29.6027, 23.4250

## Protanomaly

29.3866, 29.5044, 24.5681

## Deuteranomaly

30.8422, 29.6189, 23.1603

## Tritanomaly

32.9200, 29.5106, 28.0058

# Monochromacy



## Original Color

32.0816, 29.6027, 23.4250

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

29.9869, 30.1622, 29.4407

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.0816, 29.6027, 23.4250 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(182, 138, 125)` looks like.

```
.text, #text, p{  
    color:rgb(182, 138, 125)  
}
```

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(182, 138, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 138, 125) }
```

## Border

The CSS property to change the border of an element to XYZ 32.0816, 29.6027, 23.4250 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(182, 138, 125) }
```



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

```
.border{ border-color:rgb(182, 138, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 138, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 138, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 138, 125);  
box-shadow:4px 4px 4px 4px rgb(182, 138,  
125) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.0816, 29.6027, 23.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 138, 125) }
```

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

```
.background{ background-color: rgb(182,  
138, 125) }
```

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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