

# Converting Colors

XYZ(28.4559, 23.1770, 17.5403)

Have a look what the booklet for  
XYZ(28.4559, 23.1770, 17.5403)  
contains.

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# Color

**XYZ(28.4326, 23.1047,  
17.4291)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<b>B8716D</b>
RGB	<b>184, 113, 109</b>
RGB Percent	<b>72%, 44%, 43%</b>
CMY	<b>0.2784, 0.5568, 0.5725</b>
CMYK	<b>0.00, 0.39, 0.41, 0.28</b>
HSL	<b>3°, 35%, 57%</b>
HSV	<b>3°, 41%, 72%</b>
XYZ	<b>28.4326, 23.1047, 17.4291</b>
YIQ	<b>133.7730, 43.6000, 13.8080</b>

# Conversions

## Conversions Part 2

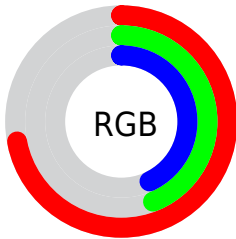
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 113, 109
Decimal	12087661
CIELab	55.18, 27.59, 14.13
CIELCh	55, 30.996, 27.124
Yxy	23.1047, 0.4123, 0.3350
Android (android.graphics.Color)	4290277741 (0xFFB8716D)
YUV	133.7730, -12.2131, 44.0491
Hunter-Lab	48.0673, 21.4677, 12.1487

# Details

The XYZ color **28.4326, 23.1047, 17.4291** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **31.2790, 39.3528, 51.2947**, and the grayscale version is **22.6094, 23.7868, 25.9039**.

A 20% lighter version of the original color is **56.5993, 48.6877, 39.6723**, and **11.6050, 8.6038, 5.6065** is the 20% darker color. If you saturate the color by 10%, you get **25.7836, 19.2294, 12.1602**, and if you desaturate by 10%, it is **31.6631, 27.8110, 23.9152**.

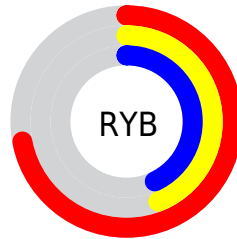
# Distribution



Red (72%)

Green (44%)

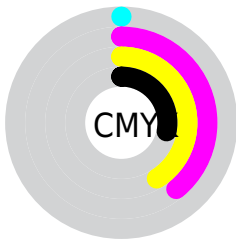
Blue (43%)



Red (72%)

Yellow (44%)

Blue (43%)

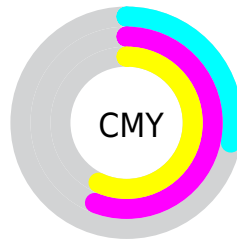


Cyan (0%)

Magenta (39%)

Yellow (41%)

Black (28%)



Cyan (28%)

Magenta (56%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4326, 23.1047, 17.4291 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 28.4326, 23.1047, 17.4291 by changing the saturation by 10% instead.




 28.4326, 23.1047,  
17.4291


 28.4326, 23.1047,  
17.4291


286.5710,  
268.2623, 249.7603


 18.7941, 14.6708,  
10.3757


 56.5782, 48.5652,  
39.8628


 11.6247, 8.5887,  
5.5399


 75.8160, 66.3606,  
56.0802

 6.5591, 4.4739,  
2.5032


 98.9844, 88.0453,  
76.1893

 3.2318, 1.9420,  
0.8418

 126.4486,  
114.0037, 100.6088

 1.2775, 0.5735,  
0.0000

158.5740,  
144.6202, 129.7571

 0.1663, 0.0000,  
0.0000

195.7260,

 0.0000, 0.0000,

180.2792, 164.0527

0.0000

238.2699,  
221.3651, 203.9143

■ 28.4326, 23.1047,  
17.4291

■ 28.4326, 23.1047,  
17.4291

■ 25.7836, 19.2294,  
12.1602

■ 31.6631, 27.8110,  
23.9152

■ 23.6799, 16.1338,  
8.0314

■ 35.5048, 33.3892,  
31.6865

■ 22.0839, 13.7659,  
4.9587


■ 39.9879, 39.8814,  
40.8075


■ 20.9526, 12.0662,  
2.8462


■ 45.1396, 47.3259,  
51.3380

■ 20.2359, 10.9659,  
1.5804


■ 50.9858, 55.7592,  
63.3343

 19.8738, 10.4036,  
0.9606

 57.5510, 65.2155,  
76.8495

 64.8584, 75.7275,  
91.9341

 72.7364, 87.2489,  
107.6148

 73.5772, 88.9303,  
107.8951

# Harmonies

## Analogous

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



29.3008, 23.1047, 26.1258



28.4326, 23.1047, 17.4291



25.7749, 23.1047, 12.3042

# Triad

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



28.4326, 23.1047, 17.4291



16.8315, 23.1047, 16.1638



21.6280, 23.1047, 49.4001

# Complementary

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



28.4326, 23.1047, 17.4291



31.2790, 39.3528, 51.2947

# 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.



18.5420, 23.1047, 44.8012



28.4326, 23.1047, 17.4291



15.9612, 23.1047, 24.2126

# Square

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



28.4326, 23.1047, 17.4291



19.0636, 23.1047, 11.7199



16.5533, 23.1047, 34.8864



25.1366, 23.1047, 46.2213



# Rectangle

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



28.4326, 23.1047, 17.4291



23.4772, 23.1047, 10.7748



16.5533, 23.1047, 34.8864



20.5103, 23.1047, 48.6896

# Sweetspot

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



28.4332, 23.1058, 17.4295



71.2448, 70.4959, 71.4380



33.4996, 24.4333, 46.2641



15.1237, 14.8570, 14.9212



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.



28.4332, 23.1058, 17.4295



47.1484, 35.4578, 22.8517



33.4739, 33.1872, 19.1098



9.0421, 9.0871, 9.3843



13.7135, 7.2034, 0.6676



0.4965, 0.2801, 0.0279



# Inverse Universe

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



31.2790, 39.3528, 51.2947



53.0054, 68.9504, 92.7197



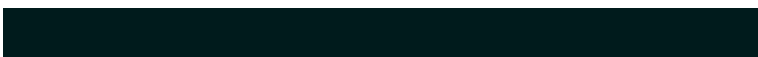
24.7436, 26.2820, 49.1162



9.2245, 10.1262, 11.5478



16.4347, 23.3290, 34.8898



0.5920, 0.8476, 1.2341



# Previews

## White Background



This preview shows how the XYZ color 28.4326, 23.1047, 17.4291 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

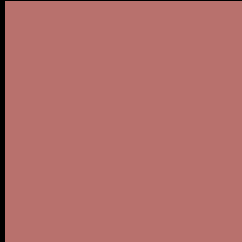
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.4326, 23.1047, 17.4291 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 28.4326, 23.1047, 17.4291**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.4326, 23.1047, 17.4291.



This preview shows how white text looks on a background with the XYZ color 28.4326, 23.1047,



# 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

28.4326, 23.1047, 17.4291

### Protanopia

22.0623, 23.2377, 20.7753

### Deuteranopia

23.5173, 23.0894, 16.8529



## Tritanopia

29.0822, 23.0392, 20.6835

# Trichromacy



## Original Color

28.4326, 23.1047, 17.4291

## Protanomaly

23.9457, 22.8736, 19.3726

## Deuteranomaly

25.1304, 22.9799, 17.0210

## Tritanomaly

28.9541, 23.1636, 19.4680

# Monochromacy



## Original Color

28.4326, 23.1047, 17.4291

## Achromatopsia

22.6597, 23.8398, 25.9615

## Achromatomaly

24.1114, 23.0778, 22.5857

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.4326, 23.1047, 17.4291 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(184, 113, 109)` looks like.

```
.text, #text, p{  
    color:rgb(184, 113, 109)  
}
```

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(184, 113, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 113, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 28.4326, 23.1047, 17.4291 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(184, 113, 109) }
```



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

```
.border{ border-color:rgb(184, 113, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 113, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 113, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 113, 109);  
box-shadow:4px 4px 4px 4px rgb(184, 113,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.4326, 23.1047, 17.4291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 113, 109) }
```

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

```
.background{ background-color: rgb(184,  
113, 109) }
```

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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