

# Converting Colors

XYZ(28.3950, 27.2350, 27.1275)

Have a look what the booklet for  
XYZ(28.3950, 27.2350, 27.1275)  
contains.

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# Color

**XYZ(28.3524, 27.1724,  
27.0430)**

# Conversions

Conversions Part 1	
Format	Color
Hex	A38888
RGB	163, 136, 136
RGB Percent	64%, 53%, 53%
CMY	0.3608, 0.4667, 0.4667
CMYK	0.00, 0.17, 0.17, 0.36
HSL	0°, 13%, 59%
HSV	0°, 17%, 64%
XYZ	28.3524, 27.1724, 27.0430
YIQ	144.0730, 16.0920, 5.7240

# Conversions

## Conversions Part 2

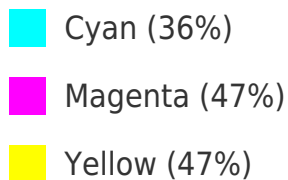
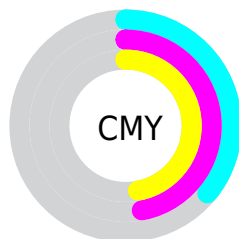
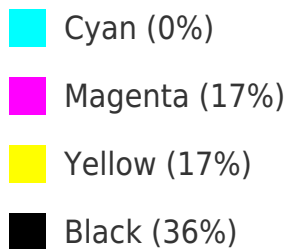
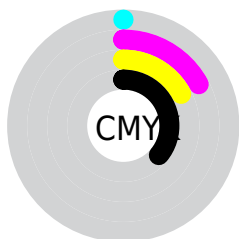
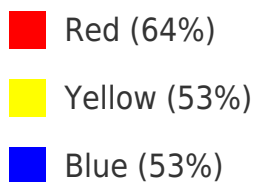
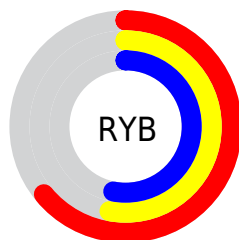
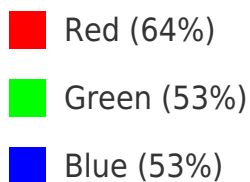
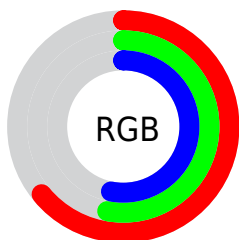
Format	Color
<a href="#">RYB</a>	<a href="#">163, 136, 136</a>
Decimal	<a href="#">10717320</a>
CIELab	<a href="#">59.13, 10.23, 3.82</a>
CIELCh	<a href="#">59, 10.922, 20.491</a>
Yxy	<a href="#">27.1724, 0.3434, 0.3291</a>
Android (android.graphics.Color)	<a href="#">4288907400</a> (0xFFA38888)
YUV	<a href="#">144.0730, -3.9800, 16.5990</a>
Hunter-Lab	<a href="#">52.1272, 5.8651, 5.7300</a>

# Details

The XYZ color **28.3524, 27.1724, 27.0430** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **29.8613, 34.0724, 39.6536**, and the grayscale version is **26.5502, 27.9329, 30.4190**.

A 20% lighter version of the original color is **56.2963, 54.9747, 55.7882**, and **11.5630, 10.7070, 10.2613** is the 20% darker color. If you saturate the color by 10%, you get **25.1576, 22.4976, 20.6908**, and if you desaturate by 10%, it is **32.0740, 32.6182, 34.4407**.

# Distribution





# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3524, 27.1724, 27.0430 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 28.3524, 27.1724, 27.0430 by changing the saturation by 10% instead.





 28.3524, 27.1724,  
27.0430

 28.3524, 27.1724,  
27.0430


286.1966,  
288.4909, 301.6320


 18.7333, 17.7027,  
17.3728


 56.4513, 55.1604,  
55.9574

 11.5806, 10.7368,  
10.3359


 75.6618, 74.4475,  
76.0388

 6.5289, 5.8901,  
5.5137


 98.8001, 97.7759,  
100.4275

 3.2130, 2.7784,  
2.4878

126.2316,  
125.5300, 129.5423

 1.2674, 1.0172,  
0.8337

158.3217,  
158.0941, 163.8016

 0.1586, 0.0000,  
0.0000


195.4356,


 0.0000, 0.0000,


195.8527, 203.6239


0.0000


237.9388,  
239.1902, 249.4279


 28.3524, 27.1724,  
27.0430


 28.3524, 27.1724,  
27.0430


 25.1576, 22.4976,  
20.6908


 32.0740, 32.6182,  
34.4407


 22.4636, 18.5556,  
15.3353


 36.3423, 38.8638,  
42.9261


 20.2459, 15.3104,  
10.9265


 41.1788, 45.9409,  
52.5414


 18.4766, 12.7214,  
7.4094


 46.6034, 53.8785,  
63.3259


 17.1252, 10.7439,  
4.7232


 52.6350, 62.7042,  
75.3171


 16.1575, 9.3278,  
2.7996


 59.2915, 72.4442,  
88.5506

 15.5336, 8.4148,  
1.5595

 66.5901, 83.1238,  
103.0609

 15.1961, 7.9208,  
0.8888

 68.9145, 86.5266,  
107.6769

 15.1046, 7.7870,  
0.7069

# Harmonies

## Analogous

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



28.4904, 27.1724, 30.8397



28.3524, 27.1724, 27.0430



27.5249, 27.1724, 24.1798

# Triad

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



28.3524, 27.1724, 27.0430



23.8625, 27.1724, 25.0759



25.3973, 27.1724, 37.5976

# Complementary

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



28.3524, 27.1724, 27.0430



29.8613, 34.0724, 39.6536

# 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.



24.1995, 27.1724, 35.7436



28.3524, 27.1724, 27.0430



23.3342, 27.1724, 28.3670

# Square

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



28.3524, 27.1724, 27.0430



24.9226, 27.1724, 23.1151



23.4554, 27.1724, 32.2839



26.7521, 27.1724, 37.1644



# Rectangle

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



28.3524, 27.1724, 27.0430



26.7091, 27.1724, 23.0780



23.4554, 27.1724, 32.2839



24.9637, 27.1724, 37.2155

# Sweetspot

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



28.3532, 27.1736, 27.0436



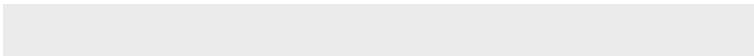
58.5038, 59.9706, 63.7920



30.5197, 28.0396, 38.4544



13.0306, 13.3095, 14.1105



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430



# Same Dimension

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



28.3532, 27.1736, 27.0436



48.4905, 45.3185, 43.8854



30.3753, 31.2180, 27.7176



7.0738, 7.0861, 7.3750



11.7390, 6.0519, 0.5494



0.2467, 0.1272, 0.0116



# Inverse Universe

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



29.8613, 34.0724, 39.6536



51.7254, 60.1162, 70.9335



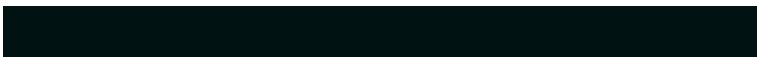
27.5913, 29.5325, 38.8969



7.2761, 8.0111, 9.0659



15.3145, 22.4084, 30.4479



0.3218, 0.4709, 0.6398



# Previews

## White Background



This preview shows how the XYZ color 28.3524, 27.1724, 27.0430 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

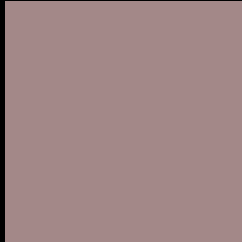
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 28.3524, 27.1724, 27.0430 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 28.3524, 27.1724, 27.0430**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.3524, 27.1724, 27.0430.



This preview shows how white text looks on a background with the XYZ color 28.3524, 27.1724,



# 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

28.3524, 27.1724, 27.0430

### Protanopia

26.1873, 27.3211, 28.3194

### Deuteranopia

27.8305, 27.3255, 27.1001



## Tritanopia

29.0846, 27.2648, 30.5178

# Trichromacy



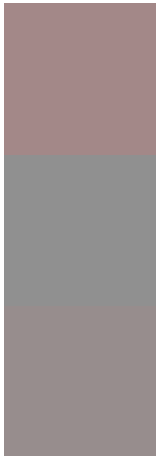
**Original Color**  
28.3524, 27.1724, 27.0430

**Protanomaly**  
26.9144, 27.2665, 27.8892

**Deuteranomaly**  
27.8868, 27.1425, 27.0618

**Tritanomaly**  
28.8563, 27.1735, 29.3153

# Monochromacy



**Original Color**  
28.3524, 27.1724, 27.0430

**Achromatopsia**  
26.5089, 27.8894, 30.3716

**Achromatomaly**  
27.0951, 27.5521, 29.0893

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.3524, 27.1724, 27.0430 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(163, 136, 136) looks like.

```
.text, #text, p{  
    color:rgb(163, 136, 136)  
}
```

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(163, 136, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 136, 136) }
```

## Border

The CSS property to change the border of an element to XYZ 28.3524, 27.1724, 27.0430 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(163, 136, 136) }
```



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

```
.border{ border-color:rgb(163, 136, 136) }
```

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

Here you see how a box with a 4 pixel rgb(163, 136, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 136, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 136, 136);  
box-shadow:4px 4px 4px 4px rgb(163, 136,  
136) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.3524, 27.1724, 27.0430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 136, 136) }
```

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

```
.background{ background-color: rgb(163,  
136, 136) }
```

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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