

# Converting Colors

XYZ(37.5146, 38.0609, 38.2561)

Have a look what the booklet for  
XYZ(37.5146, 38.0609, 38.2561)  
contains.

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# Color

**XYZ(37.4867, 38.0447,  
38.1685)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B1A39F
RGB	177, 163, 159
RGB Percent	69%, 64%, 62%
CMY	0.3059, 0.3608, 0.3765
CMYK	0.00, 0.08, 0.10, 0.31
HSL	13°, 10%, 66%
HSV	13°, 10%, 69%
XYZ	37.4867, 38.0447, 38.1685
YIQ	166.7300, 9.6280, 1.7240

# Conversions

## Conversions Part 2

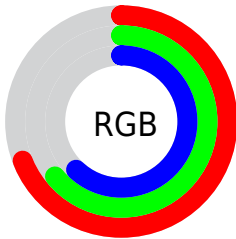
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	177, 164, 159
Decimal	11641759
CIE Lab	68.05, 4.38, 3.90
CIE LCh	68, 5.863, 41.709
Yxy	38.0447, 0.3297, 0.3346
Android (android.graphics.Color)	4289831839 (0xFFB1A39F)
YUV	166.7300, -3.8109, 9.0068
Hunter-Lab	61.6804, 0.5440, 6.4870

# Details

The XYZ color **37.4867, 38.0447, 38.1685** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.1774, 40.4318, 47.4402**, and the grayscale version is **36.6148, 38.5216, 41.9500**.

A 20% lighter version of the original color is **70.8133, 72.3215, 73.8455**, and **16.7034, 16.7367, 16.5375** is the 20% darker color. If you saturate the color by 10%, you get **33.7474, 32.8504, 29.8790**, and if you desaturate by 10%, it is **41.7141, 43.8624, 47.7068**.

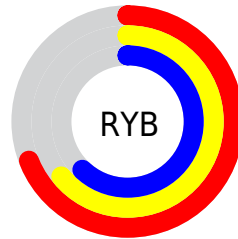
# Distribution



Red (69%)

Green (64%)

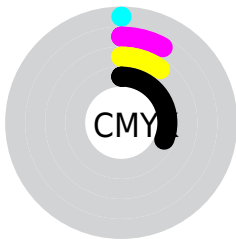
Blue (62%)



Red (69%)

Yellow (64%)

Blue (62%)

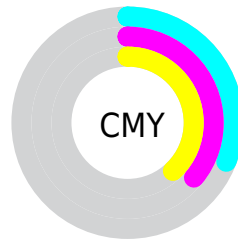


Cyan (0%)

Magenta (8%)

Yellow (10%)

Black (31%)



Cyan (31%)

Magenta (36%)

Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4867, 38.0447, 38.1685 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 37.4867, 38.0447, 38.1685 by changing the saturation by 10% instead.



■ 37.4867, 38.0447,  
38.1685

■ 37.4867, 38.0447,  
38.1685

326.7320,  
337.8117, 353.6621

■ 25.7599, 26.0174,  
25.8106

■ 70.6297, 72.1766,  
73.5726

■ 16.7759, 16.8366,  
16.4575

■ 92.7766, 95.0501,  
97.4560

■ 10.1691, 10.1181,  
9.6906

119.1277,  
122.3076, 126.0182

■ 5.5744, 5.4773,  
5.0914

150.0482,  
154.3338, 159.6779

■ 2.6262, 2.5300,  
2.2413

185.9035,  
191.5128, 198.8536

■ 0.9593, 0.8916,  
0.6981

227.0590,

■ 0.0000, 0.0000,

234.2293, 243.9639

0.0000

273.8800,  
282.8674, 295.4272

■ 37.4867, 38.0447,  
38.1685

■ 37.4867, 38.0447,  
38.1685

■ 33.7474, 32.8504,  
29.8790

■ 41.7141, 43.8624,  
47.7068

■ 30.4753, 28.2537,  
22.7841

■ 46.4433, 50.3180,  
58.5402

■ 27.6524, 24.2345,  
16.8290

■ 51.6913, 57.4321,  
70.7156

■ 25.2587, 20.7696,  
11.9538

■ 57.4735, 65.2227,  
84.2770

■ 23.2723, 17.8343,  
8.0933

■ 63.8045, 73.7072,  
99.2662

■ 21.6694, 15.4018,  
5.1749

■ 69.0118, 82.2275,  
106.8419

■ 20.4235, 13.4430,  
3.1163

■ 71.9417, 88.0872,  
107.8185

■ 19.5043, 11.9256,  
1.8208

■ 18.8692, 10.8223,  
1.0944

# Harmonies

## Analogous

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



37.9066, 38.0447, 40.4123



37.4867, 38.0447, 38.1685



36.7141, 38.0447, 36.8319

# Triad

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



37.4867, 38.0447, 38.1685



34.5191, 38.0447, 39.8664



36.5178, 38.0447, 46.5445

# Complementary

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



37.4867, 38.0447, 38.1685



37.1774, 40.4318, 47.4402

# 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.



35.6122, 38.0447, 46.3832



37.4867, 38.0447, 38.1685



34.4686, 38.0447, 42.4529

# Square

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



37.4867, 38.0447, 38.1685



35.0049, 38.0447, 37.7834



34.8657, 38.0447, 44.8600



37.3409, 38.0447, 45.2918



# Rectangle

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



37.4867, 38.0447, 38.1685



36.1080, 38.0447, 36.5996



34.8657, 38.0447, 44.8600



36.2127, 38.0447, 46.6552

# Sweetspot

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



37.4878, 38.0464, 38.1693



72.4353, 75.4373, 80.2833



38.0826, 37.1650, 44.7528



15.5648, 16.1656, 17.0975



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



37.4878, 38.0464, 38.1693



65.7054, 66.1558, 65.1586



39.1235, 41.3179, 38.7146



8.6446, 8.8017, 8.8958



13.7096, 7.9179, 0.8057



0.4749, 0.3362, 0.0399



# Inverse Universe

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



37.1774, 40.4318, 47.4402



65.0471, 71.2122, 84.8123



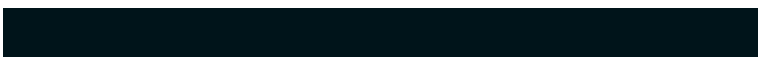
35.5278, 37.1326, 46.8903



8.5792, 9.3045, 10.8501



12.3435, 15.4873, 32.4758



0.4281, 0.5667, 1.0351



# Previews

## White Background



This preview shows how the XYZ color 37.4867, 38.0447, 38.1685 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

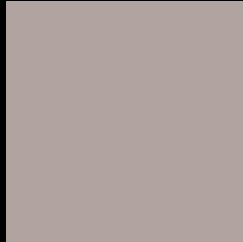
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.4867, 38.0447, 38.1685 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

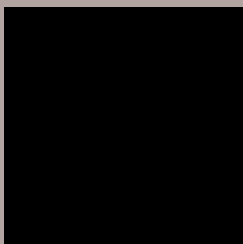
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

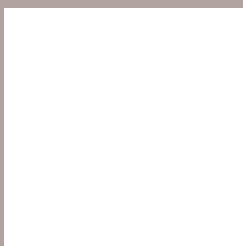
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 37.4867, 38.0447, 38.1685**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.4867, 38.0447, 38.1685.



This preview shows how white text looks on a background with the XYZ color 37.4867, 38.0447,

38.1685.

# 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

37.4867, 38.0447, 38.1685

### Protanopia

36.3779, 37.9944, 38.6740

### Deuteranopia

38.6831, 37.8700, 38.5285



## Tritanopia

38.8781, 38.0906, 44.8383

# Trichromacy



## Original Color

37.4867, 38.0447, 38.1685

## Protanomaly

36.8542, 37.9732, 38.6448

## Deuteranomaly

38.1461, 37.8516, 38.5533

## Tritanomaly

38.3483, 38.1328, 42.3850

# Monochromacy



## Original Color

37.4867, 38.0447, 38.1685

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

37.1316, 38.6107, 40.6175

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.4867, 38.0447, 38.1685 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(177, 163, 159)` looks like.

```
.text, #text, p{  
    color:rgb(177, 163, 159)  
}
```

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(177, 163, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 163, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 37.4867, 38.0447, 38.1685 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(177, 163, 159) }
```



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

```
.border{ border-color:rgb(177, 163, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 163, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 163, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 163, 159);  
box-shadow:4px 4px 4px 4px rgb(177, 163,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.4867, 38.0447, 38.1685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 163, 159) }
```

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

```
.background{ background-color: rgb(177,  
163, 159) }
```

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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