

# Converting Colors

XYZ(37.9553, 37.8477, 33.4991)

Have a look what the booklet for  
XYZ(37.9553, 37.8477, 33.4991)  
contains.

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# Color

**XYZ(37.8573, 37.8182,  
33.3213)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8A194
RGB	184, 161, 148
RGB Percent	72%, 63%, 58%
CMY	0.2784, 0.3686, 0.4196
CMYK	0.00, 0.12, 0.20, 0.28
HSL	22°, 20%, 65%
HSV	22°, 20%, 72%
XYZ	37.8573, 37.8182, 33.3213
YIQ	166.3950, 17.8810, 0.8330

# Conversions

## Conversions Part 2

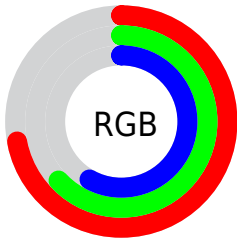
Format	Color
<b>RYB</b>	184, 168, 148
Decimal	12099988
CIELab	67.89, 6.30, 9.85
CIELCh	68, 11.697, 57.403
Yxy	37.8182, 0.3473, 0.3470
Android (android.graphics.Color)	4290290068 (0xFFB8A194)
YUV	166.3950, -9.0687, 15.4396
Hunter-Lab	61.4965, 2.2659, 10.9218

# Details

The XYZ color **37.8573, 37.8182, 33.3213** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.4271, 38.8814, 50.9853**, and the grayscale version is **36.4740, 38.3735, 41.7887**.

A 20% lighter version of the original color is **71.1517, 71.9013, 66.0053**, and **16.9864, 16.6256, 13.6231** is the 20% darker color. If you saturate the color by 10%, you get **34.5570, 33.3658, 25.5979**, and if you desaturate by 10%, it is **41.5843, 42.7528, 42.3301**.

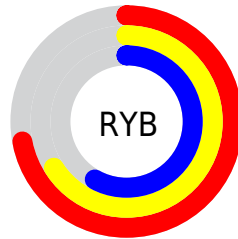
# Distribution



Red (72%)

Green (63%)

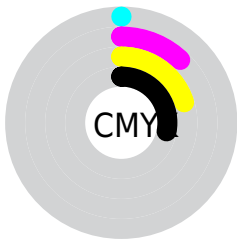
Blue (58%)



Red (72%)

Yellow (66%)

Blue (58%)

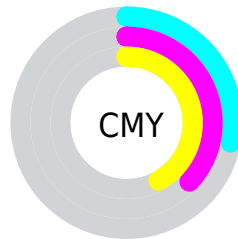


Cyan (0%)

Magenta (12%)

Yellow (20%)

Black (28%)



Cyan (28%)

Magenta (37%)

Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8573, 37.8182, 33.3213 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 37.8573, 37.8182, 33.3213 by changing the saturation by 10% instead.





 37.8573, 37.8182,  
33.3213

 37.8573, 37.8182,  
33.3213


328.2989,  
336.8395, 331.7714

 26.0487, 25.8416,  
22.0996

 71.1947, 71.8294,  
65.9986

 16.9929, 16.7052,  
13.7311


 93.4541, 94.6328,  
88.2913

 10.3247, 10.0245,  
7.7972


119.9279,  
121.8140, 115.1113

 5.6787, 5.4152,  
3.8796

150.9813,  
153.7572, 146.8773

 2.6895, 2.4929,  
1.5595

186.9798,  
190.8470, 184.0078

 0.9918, 0.8731,  
0.2617

228.2886,

 0.0000, 0.0000,

233.4677, 226.9212

0.0000

275.2732,  
282.0037, 276.0362

■ 37.8573, 37.8182,  
33.3213

■ 37.8573, 37.8182,  
33.3213

■ 34.5570, 33.3658,  
25.5979

■ 41.5843, 42.7528,  
42.3301

■ 31.6641, 29.3756,  
19.0982

■ 45.7503, 48.1789,  
52.6772

■ 29.1623, 25.8334,  
13.7591

■ 50.3707, 54.1116,  
64.4155

■ 27.0330, 22.7226,  
9.5107

■ 55.4593, 60.5641,  
77.5945

■ 25.2557, 20.0252,  
6.2756

■ 61.0293, 67.5491,  
92.2608

■ 23.8077, 17.7218,  
3.9660

■ 66.5408, 74.8575,  
105.5496

■ 22.6630, 15.7910,  
2.4786

■ 69.9518, 81.6795,  
106.6866

■ 21.7773, 14.2035,  
1.6168

■ 73.5773, 88.9304,  
107.8951

■ 21.7427, 14.1412,  
1.5836

# Harmonies

## Analogous

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



39.1318, 37.8182, 36.7486



37.8573, 37.8182, 33.3213



36.1034, 37.8182, 31.9820

# Triad

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



37.8573, 37.8182, 33.3213



32.5717, 37.8182, 40.7265



37.5746, 37.8182, 50.6991

# Complementary

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



37.8573, 37.8182, 33.3213



35.4271, 38.8814, 50.9853

# 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.



35.7872, 37.8182, 51.9858



37.8573, 37.8182, 33.3213



32.9362, 37.8182, 45.9489

# Square

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



37.8573, 37.8182, 33.3213



33.0856, 37.8182, 36.0265



34.0983, 37.8182, 50.1808



38.9648, 37.8182, 46.7976



# Rectangle

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



37.8573, 37.8182, 33.3213



34.9118, 37.8182, 32.3612



34.0983, 37.8182, 50.1808



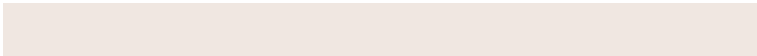
36.9985, 37.8182, 51.4653

# Sweetspot

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



37.8583, 37.8199, 33.3221



77.9072, 80.8060, 82.9528



37.7463, 34.3262, 43.3648



16.6925, 17.2859, 17.6289



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.



37.8583, 37.8199, 33.3221



66.2528, 65.3732, 54.7871



41.1528, 44.4088, 34.4202



9.2631, 9.5291, 9.4580



15.0466, 9.8696, 1.1120



0.5902, 0.4675, 0.0591



# Inverse Universe

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



35.4271, 38.8814, 50.9853



61.1244, 67.6083, 92.0327



32.3217, 32.6707, 49.9501



8.9865, 9.6502, 11.4685



10.4590, 11.3777, 32.8979



0.4252, 0.5140, 1.1786



# Previews

## White Background



This preview shows how the XYZ color 37.8573, 37.8182, 33.3213 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

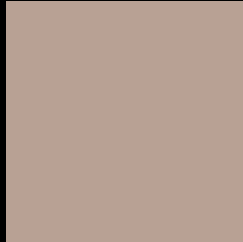
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.8573, 37.8182, 33.3213 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

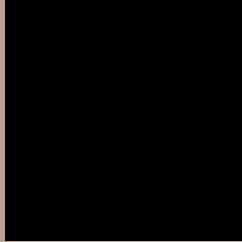
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 37.8573, 37.8182, 33.3213**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.8573, 37.8182, 33.3213.



This preview shows how white text looks on a background with the XYZ color 37.8573, 37.8182,



# 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

37.8573, 37.8182, 33.3213

### Protanopia

35.9734, 37.8829, 34.2703

### Deuteranopia

38.6551, 37.9711, 33.3088



## Tritanopia

39.9761, 37.9208, 43.2427

# Trichromacy



## Original Color

37.8573, 37.8182, 33.3213

## Protanomaly

36.6048, 37.9510, 33.8298

## Deuteranomaly

38.4096, 37.8445, 33.2973

## Tritanomaly

39.1694, 37.8440, 39.4226

# Monochromacy



## Original Color

37.8573, 37.8182, 33.3213

## Achromatopsia

36.2450, 38.1326, 41.5264

## Achromatomaly

36.7670, 37.9384, 38.1859

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.8573, 37.8182, 33.3213 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, 161, 148)` looks like.

```
.text, #text, p{  
    color:rgb(184, 161, 148)  
}
```

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, 161, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 161, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 37.8573, 37.8182, 33.3213 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, 161, 148) }
```



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

```
.border{ border-color:rgb(184, 161, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 161, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 161, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 161, 148);  
box-shadow:4px 4px 4px 4px rgb(184, 161,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.8573, 37.8182, 33.3213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 161, 148) }
```

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

```
.background{ background-color: rgb(184,  
161, 148) }
```

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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