

Converting Colors

XYZ(36.1350, 38.4090, 38.0418)

Have a look what the booklet for
XYZ(36.1350, 38.4090, 38.0418)
contains.

XYZ(36.1387, 38.4309, 37.8609)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.1387, 38.4309,
37.8609)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A79E
RGB	168, 167, 158
RGB Percent	66%, 65%, 62%
CMY	0.3412, 0.3451, 0.3804
CMYK	0.00, 0.01, 0.06, 0.34
HSL	54°, 5%, 64%
HSV	54°, 6%, 66%
XYZ	36.1387, 38.4309, 37.8609
YIQ	166.2730, 3.4850, -2.5870

Conversions

Conversions Part 2

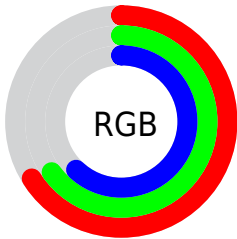
Format	Color
RYB	159, 168, 158
Decimal	11052958
CIELab	68.34, -1.29, 4.77
CIELCh	68, 4.942, 105.181
Yxy	38.4309, 0.3214, 0.3418
Android (android.graphics.Color)	4289243038 (0xFFA8A79E)
YUV	166.2730, -4.0786, 1.5146
Hunter-Lab	61.9927, -4.4304, 7.1846

Details

The XYZ color **36.1387, 38.4309, 37.8609** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.5665, 34.8919, 42.0118**, and the grayscale version is **36.3964, 38.2918, 41.6998**.

A 20% lighter version of the original color is **68.5629, 72.7346, 73.3763**, and **15.9870, 17.0360, 16.3556** is the 20% darker color. If you saturate the color by 10%, you get **34.4861, 37.2835, 30.6566**, and if you desaturate by 10%, it is **37.9952, 39.6687, 46.1094**.

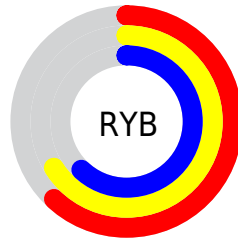
Distribution



Red (66%)

Green (65%)

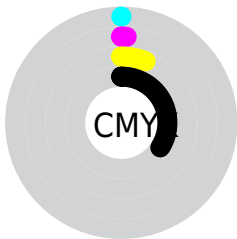
Blue (62%)



Red (62%)

Yellow (66%)

Blue (62%)

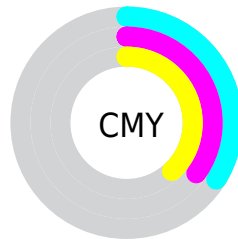


Cyan (0%)

Magenta (1%)

Yellow (6%)

Black (34%)



Cyan (34%)

Magenta (35%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1387, 38.4309, 37.8609 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 36.1387, 38.4309, 37.8609 by changing the saturation by 10% instead.

■ 36.1387, 38.4309,
37.8609

■ 36.1387, 38.4309,
37.8609

320.9870,
339.4648, 352.3032

■ 24.7119, 26.3173,
25.5738

■ 68.5686, 72.7681,
73.0959

■ 15.9902, 17.0612,
16.2821

■ 90.3024, 95.7605,
96.8809

■ 9.6080, 10.2781,
9.5675

116.2026,
123.1480, 125.3356

■ 5.2001, 5.5837,
5.0113

146.6346,
155.3149, 158.8785

■ 2.4011, 2.5937,
2.1951

181.9636,
192.6456, 197.9281

■ 0.8457, 0.9235,
0.6715

222.5552,

■ 0.0000, 0.0000,

235.5246, 242.9031

0.0000

268.7745,
284.3362, 294.2219

■ 36.1387, 38.4309,
37.8609

■ 36.1387, 38.4309,
37.8609

■ 34.4861, 37.2835,
30.6566

■ 37.9952, 39.6687,
46.1094

■ 33.0261, 36.2182,
24.4522

■ 40.0598, 40.9949,
55.4393

■ 31.7513, 35.2333,
19.2035

■ 42.3409, 42.4141,
65.8889

■ 30.6525, 34.3251,
14.8624

■ 44.8451, 43.9289,
77.4939

■ 29.7198, 33.4896,
11.3764

■ 47.5790, 45.5421,
90.2884

■ 28.9422, 32.7224,
8.6878

■ 49.9306, 47.0088,
101.0497

■ 28.3073, 32.0184,
6.7316

■ 50.2634, 47.6745,
101.1607

■ 27.8008, 31.3720,
5.4327

■ 50.6003, 48.3484,
101.2730

■ 27.4038, 30.7756,
4.6912

■ 50.9414, 49.0304,
101.3867

Harmonies

Analogous

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



36.9097, 38.4309, 37.8544



36.1387, 38.4309, 37.8609



35.4809, 38.4309, 38.9090

Triad

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



36.1387, 38.4309, 37.8609



35.4874, 38.4309, 44.9445



37.9865, 38.4309, 42.9454

Complementary

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



36.1387, 38.4309, 37.8609



33.5665, 34.8919, 42.0118

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.



37.5943, 38.4309, 44.9245



36.1387, 38.4309, 37.8609



36.1477, 38.4309, 46.1061

Square

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



36.1387, 38.4309, 37.8609



35.1085, 38.4309, 42.9719



36.9189, 38.4309, 46.0986



37.9840, 38.4309, 40.7374

Rectangle

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



36.1387, 38.4309, 37.8609



35.1920, 38.4309, 40.0794



36.9189, 38.4309, 46.0986



37.8962, 38.4309, 43.6611

Sweetspot

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



36.1398, 38.4326, 37.8617



66.8542, 70.6001, 74.3356



34.6338, 35.2823, 37.7862



14.5797, 15.3933, 16.2391



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



36.1398, 38.4326, 37.8617



65.2086, 69.4875, 67.0702



35.4845, 38.3668, 37.8836



8.1540, 8.6936, 8.3471



20.6042, 23.1057, 3.3739



0.5190, 0.5976, 0.0880

Inverse Universe

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



33.5665, 34.8919, 42.0118



59.6596, 61.8525, 76.0194



34.1955, 34.9628, 41.9924



7.4312, 7.6991, 9.5127



5.5045, 2.4693, 28.1620



0.1519, 0.0961, 0.6912

Previews

White Background



This preview shows how the XYZ color 36.1387, 38.4309, 37.8609 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 36.1387, 38.4309, 37.8609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

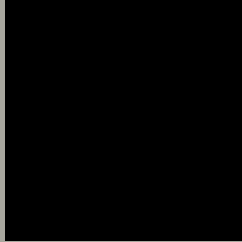
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.1387, 38.4309, 37.8609

Background



This preview shows how black text looks on a background with the XYZ color 36.1387, 38.4309, 37.8609.



This preview shows how white text looks on a background with the XYZ color 36.1387, 38.4309,

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

36.1387, 38.4309, 37.8609

Protanopia

36.7353, 38.4774, 37.3890

Deuteranopia

39.0105, 38.3072, 38.1388



Tritanopia

38.0059, 38.3832, 47.0005

Trichromacy



Original Color

36.1387, 38.4309, 37.8609

Protanomaly

36.5166, 38.3647, 37.3788

Deuteranomaly

37.9456, 38.2813, 38.1900

Tritanomaly

37.2884, 38.3586, 43.4688

Monochromacy



Original Color

36.1387, 38.4309, 37.8609

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.1834, 38.1323, 40.1035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1387, 38.4309, 37.8609 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(168, 167, 158)` looks like.

```
.text, #text, p{  
    color:rgb(168, 167, 158)  
}
```

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(168, 167, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 167, 158) }
```

Border

The CSS property to change the border of an element to XYZ 36.1387, 38.4309, 37.8609 is called "border". The border property can be set on classes, ids or directly on the HTML element.

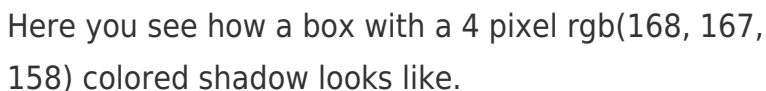
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 167, 158) }
```


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

```
.border{ border-color:rgb(168, 167, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 167, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 167, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 167, 158); box-shadow:4px 4px 4px 4px rgb(168, 167, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1387, 38.4309, 37.8609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 167, 158) }
```

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

```
.background{ background-color: rgb(168,  
167, 158) }
```

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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