

Converting Colors

XYZ(33.5321, 37.8477, 34.6668)

Have a look what the booklet for
XYZ(33.5321, 37.8477, 34.6668)
contains.

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Color

**XYZ(33.6709, 38.0517,
34.8482)**

Conversions

Conversions Part 1

Format	Color
Hex	9CAA97
RGB	156, 170, 151
RGB Percent	61%, 67%, 59%
CMY	0.3882, 0.3333, 0.4078
CMYK	0.08, 0.00, 0.11, 0.33
HSL	104°, 10%, 63%
HSV	104°, 11%, 67%
XYZ	33.6709, 38.0517, 34.8482
YIQ	163.6480, -2.2450, -8.8770

Conversions

Conversions Part 2

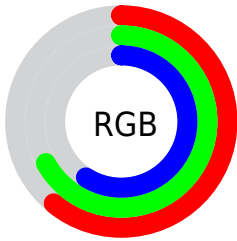
Format	Color
RYB	151, 170, 165
Decimal	10267287
CIELab	68.06, -8.53, 8.12
CIElCh	68, 11.783, 136.415
Yxy	38.0517, 0.3159, 0.3571
Android (android.graphics.Color)	4288457367 (0xFF9CAA97)
YUV	163.6480, -6.2355, -6.7073
Hunter-Lab	61.6861, -10.5176, 9.6856

Details

The XYZ color **33.6709, 38.0517, 34.8482** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.8409, 33.0359, 42.6251**, and the grayscale version is **35.1496, 36.9801, 40.2714**.

A 20% lighter version of the original color is **64.8086, 72.1071, 68.2599**, and **14.6044, 16.8802, 14.5451** is the 20% darker color. If you saturate the color by 10%, you get **30.0884, 36.3541, 27.9858**, and if you desaturate by 10%, it is **37.7047, 39.9611, 42.7726**.

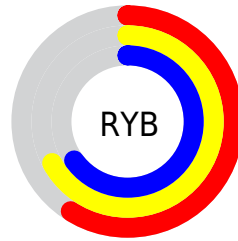
Distribution



Red (61%)

Green (67%)

Blue (59%)



Red (59%)

Yellow (67%)

Blue (65%)

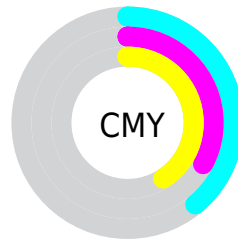


Cyan (8%)

Magenta (0%)

Yellow (11%)

Black (33%)



Cyan (39%)

Magenta (33%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6709, 38.0517, 34.8482 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 33.6709, 38.0517, 34.8482 by changing the saturation by 10% instead.

■ 33.6709, 38.0517,
34.8482

■ 33.6709, 38.0517,
34.8482

310.2739,
337.8417, 338.7817

■ 22.8026, 26.0228,
23.2633

■ 64.7693, 72.1874,
68.3994

■ 14.5677, 16.8407,
14.5810

■ 85.7300, 95.0630,
91.2029

■ 8.6009, 10.1210,
8.3825

110.7856,
122.3229, 118.5830

■ 4.5368, 5.4792,
4.2494

140.3014,
154.3516, 150.9582

■ 2.0101, 2.5311,
1.7631

174.6428,
191.5334, 188.7472

■ 0.6396, 0.8922,
0.4035

214.1751,

■ 0.0000, 0.0000,

234.2528, 232.3684

0.0000

259.2637,
282.8941, 282.2404

■ 33.6709, 38.0517,
34.8482

■ 33.6709, 38.0517,
34.8482

■ 30.0884, 36.3541,
27.9858

■ 37.7047, 39.9611,
42.7726

■ 26.9380, 34.8562,
22.1379

■ 42.2019, 42.0843,
51.7989

■ 24.2038, 33.5519,
17.2571

■ 47.1779, 44.4296,
61.9679

■ 21.8676, 32.4329,
13.2912

■ 52.6466, 47.0033,
73.3176

■ 19.9098, 31.4904,
10.1830

■ 58.6212, 49.8114,
85.8842

■ 18.3090, 30.7147,
7.8692

■ 65.1145, 52.8597,
99.7026

■ 17.0415, 30.0952,
6.2772

■ 69.6277, 55.1494,
101.5829

■ 16.0803, 29.6198,
5.3215

■ 73.6655, 57.2309,
101.7718

■ 15.4457, 29.3027,
4.8419

Harmonies

Analogous

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



35.1790, 38.0517, 32.4748



33.6709, 38.0517, 34.8482



32.8445, 38.0517, 39.1033

Triad

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



33.6709, 38.0517, 34.8482



35.3445, 38.0517, 52.0510



39.6583, 38.0517, 38.6413

Complementary

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



33.6709, 38.0517, 34.8482



33.8409, 33.0359, 42.6251

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.



39.7063, 38.0517, 43.8510



33.6709, 38.0517, 34.8482



37.1733, 38.0517, 51.9007

Square

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



33.6709, 38.0517, 34.8482



33.7885, 38.0517, 49.1911



38.7835, 38.0517, 48.7965



38.6546, 38.0517, 34.5347

Rectangle

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



33.6709, 38.0517, 34.8482



32.7727, 38.0517, 42.5711



38.7835, 38.0517, 48.7965



39.7879, 38.0517, 40.3130

Sweetspot

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



33.6719, 38.0533, 34.8490



66.9713, 71.8226, 74.7545



35.6081, 37.6683, 34.6727



14.8012, 15.9535, 16.4064



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



33.6719, 38.0533, 34.8490



59.6874, 68.3754, 60.5095



33.0912, 37.7116, 36.7373



7.6150, 8.4996, 8.0285



11.4076, 21.5781, 3.5637



0.3245, 0.5492, 0.0889

Inverse Universe

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



33.8409, 33.0359, 42.6251



60.0449, 57.7456, 76.9832



34.4888, 33.4175, 40.5024



7.6465, 7.5659, 9.4757



11.6426, 5.3854, 28.4013



0.3274, 0.1538, 0.6931

Previews

White Background



This preview shows how the XYZ color 33.6709, 38.0517, 34.8482 looks on a white background.

Color Contrast Check

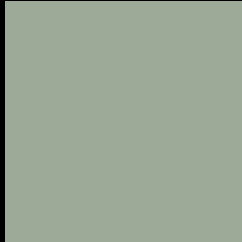
Large Text (above 18pt) WCAG AA × Fail

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 33.6709, 38.0517, 34.8482 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 33.6709, 38.0517, 34.8482

Background



This preview shows how black text looks on a background with the XYZ color 33.6709, 38.0517, 34.8482.



This preview shows how white text looks on a background with the XYZ color 33.6709, 38.0517,

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

33.6709, 38.0517, 34.8482

Protanopia

36.0340, 37.9326, 33.4395

Deuteranopia

38.5703, 37.8806, 35.4158



Tritanopia

36.2701, 38.0007, 48.0711

Trichromacy



Original Color

33.6709, 38.0517, 34.8482

Protanomaly

35.1799, 38.0228, 33.9187

Deuteranomaly

36.6222, 37.9319, 35.0972

Tritanomaly

35.2782, 37.8729, 42.9870

Monochromacy



Original Color

33.6709, 38.0517, 34.8482

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.5922, 37.3527, 38.1875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6709, 38.0517, 34.8482 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(156, 170, 151)` looks like.

```
.text, #text, p{  
    color:rgb(156, 170, 151)  
}
```

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(156, 170, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 170, 151) }
```

Border

The CSS property to change the border of an element to XYZ 33.6709, 38.0517, 34.8482 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(156, 170, 151) }
```


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

```
.border{ border-color:rgb(156, 170, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 170, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 170, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 170, 151);  
box-shadow:4px 4px 4px 4px rgb(156, 170,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6709, 38.0517, 34.8482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 170, 151) }
```

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

```
.background{ background-color: rgb(156,  
170, 151) }
```

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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