

Converting Colors

XYZ(33.4045, 33.2651, 38.3261)

Have a look what the booklet for
XYZ(33.4045, 33.2651, 38.3261)
contains.

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Color

**XYZ(33.3871, 33.1367,
38.3545)**

Conversions

Conversions Part 1

Format	Color
Hex	A698A1
RGB	166, 152, 161
RGB Percent	65%, 60%, 63%
CMY	0.3490, 0.4039, 0.3686
CMYK	0.00, 0.08, 0.03, 0.35
HSL	321°, 7%, 62%
HSV	321°, 8%, 65%
XYZ	33.3871, 33.1367, 38.3545
YIQ	157.2120, 5.4550, 5.7670

Conversions

Conversions Part 2

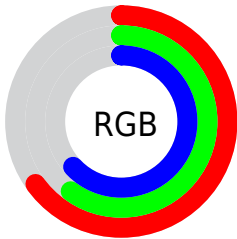
Format	Color
RYB	166, 152, 161
Decimal	10918049
CIELab	64.27, 6.79, -2.85
CIELCh	64, 7.366, 337.247
Yxy	33.1367, 0.3183, 0.3160
Android (android.graphics.Color)	4289108129 (0xFFA698A1)
YUV	157.2120, 1.8675, 7.7071
Hunter-Lab	57.5645, 2.7912, 0.7910

Details

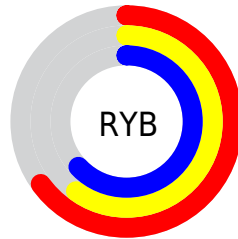
The XYZ color **33.3871, 33.1367, 38.3545** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.6722, 36.3829, 37.2006**, and the grayscale version is **32.1342, 33.8076, 36.8165**.

A 20% lighter version of the original color is **64.2848, 64.4726, 74.0220**, and **14.4076, 14.0106, 16.6968** is the 20% darker color. If you saturate the color by 10%, you get **30.3689, 27.9169, 34.8296**, and if you desaturate by 10%, it is **36.8091, 39.1234, 42.1372**.

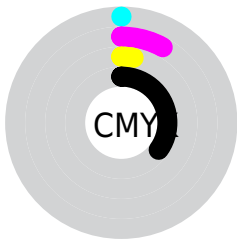
Distribution



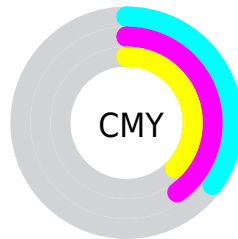
- Red (65%)
- Green (60%)
- Blue (63%)



- Red (65%)
- Yellow (60%)
- Blue (63%)



- Cyan (0%)
- Magenta (8%)
- Yellow (3%)
- Black (35%)



- Cyan (35%)
- Magenta (40%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3871, 33.1367, 38.3545 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 33.3871, 33.1367, 38.3545 by changing the saturation by 10% instead.

■ 33.3871, 33.1367,
38.3545

■ 33.3871, 33.1367,
38.3545

309.0247,
316.2653, 354.4819

■ 22.5838, 22.2312,
25.9540

■ 64.3301, 64.5889,
73.8606

■ 14.4055, 14.0269,
16.5638

■ 85.2004, 85.9044,
97.8033

■ 8.4868, 8.1394,
9.7653

110.1572,
111.4586, 126.4304

■ 4.4624, 4.1843,
5.1401

139.5658,
141.6360, 160.1605

■ 1.9669, 1.7772,
2.2695

173.7914,
176.8210, 199.4122

■ 0.6153, 0.4729,
0.7141

213.1996,

■ 0.0000, 0.0000,

217.3979, 244.6040

0.0000

258.1555,
263.7512, 296.1544

■ 33.3871, 33.1367,
38.3545

■ 33.3871, 33.1367,
38.3545

■ 30.3689, 27.9169,
34.8296

■ 36.8091, 39.1234,
42.1372

■ 27.7357, 23.4286,
31.5533

■ 40.6471, 45.9023,
46.1821

■ 25.4715, 19.6395,
28.5191

■ 44.9162, 53.5026,
50.4964

■ 23.5579, 16.5138,
25.7189

■ 49.6299, 61.9509,
55.0860

■ 21.9750, 14.0120,
23.1445

■ 54.8011, 71.2725,
59.9570

■ 20.7008, 12.0907,
20.7865

■ 60.4423, 81.4917,
65.1149

■ 19.7104, 10.7007,
18.6349

■ 62.2071, 83.9155,
69.1124

■ 18.9748, 9.7847,
16.6780

■ 62.9253, 84.2028,
72.8943

■ 18.4416, 9.2385,
14.8964

■ 63.6708, 84.5010,
76.8200

Harmonies

Analogous

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



32.7287, 33.1367, 40.8631



33.3871, 33.1367, 38.3545



33.5334, 33.1367, 35.3584

Triad

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



33.3871, 33.1367, 38.3545



31.2424, 33.1367, 30.6618



29.9212, 33.1367, 39.6806

Complementary

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



33.3871, 33.1367, 38.3545



32.6722, 36.3829, 37.2006

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.



29.5418, 33.1367, 36.8118



33.3871, 33.1367, 38.3545



30.2936, 33.1367, 31.6859

Square

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



33.3871, 33.1367, 38.3545



32.2798, 33.1367, 31.0241



29.6766, 33.1367, 33.8977



30.7238, 33.1367, 41.6578

Rectangle

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



33.3871, 33.1367, 38.3545



33.3178, 33.1367, 33.5065



29.6766, 33.1367, 33.8977



29.7407, 33.1367, 38.7825

Sweetspot

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



33.3881, 33.1381, 38.3552



63.8410, 65.8058, 73.2418



31.9976, 32.3694, 40.6382



14.1767, 14.5341, 16.2688



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.



33.3881, 33.1381, 38.3552



59.5825, 58.3811, 68.4548



32.7963, 32.9014, 35.2392



7.7264, 7.6204, 8.8766



14.2633, 7.1140, 11.4641



0.3701, 0.1823, 0.4003

Inverse Universe

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



33.3881, 33.1381, 38.3552



59.5825, 58.3811, 68.4548



33.2779, 36.6253, 40.3906



7.7264, 7.6204, 8.8766



14.2633, 7.1140, 11.4641



0.3701, 0.1823, 0.4003

Previews

White Background



This preview shows how the XYZ color 33.3871, 33.1367, 38.3545 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 33.3871, 33.1367, 38.3545 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

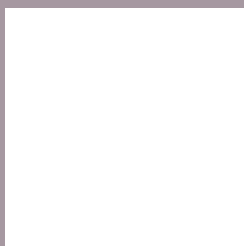
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3871, 33.1367, 38.3545

Background



This preview shows how black text looks on a background with the XYZ color 33.3871, 33.1367, 38.3545.



This preview shows how white text looks on a background with the XYZ color 33.3871, 33.1367,

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

33.3871, 33.1367, 38.3545

Protanopia

32.2368, 33.2551, 39.3701

Deuteranopia

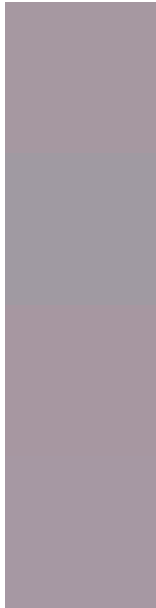
33.6481, 33.0313, 38.3204



Tritanopia

33.6550, 33.2438, 39.7648

Trichromacy



Original Color

33.3871, 33.1367, 38.3545

Protanomaly

32.5744, 33.1934, 38.8725

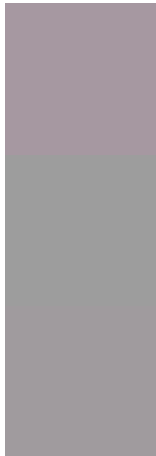
Deuteranomaly

33.4360, 32.9219, 38.3105

Tritanomaly

33.5650, 33.2078, 39.2910

Monochromacy



Original Color

33.3871, 33.1367, 38.3545

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.3901, 33.3849, 37.0845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3871, 33.1367, 38.3545 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(166, 152, 161)` looks like.

```
.text, #text, p{  
    color:rgb(166, 152, 161)  
}
```

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(166, 152, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 152, 161) }
```

Border

The CSS property to change the border of an element to XYZ 33.3871, 33.1367, 38.3545 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(166, 152, 161) }
```


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

```
.border{ border-color:rgb(166, 152, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 152, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 152, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 152, 161);  
box-shadow:4px 4px 4px 4px rgb(166, 152,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3871, 33.1367, 38.3545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 152, 161) }
```

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

```
.background{ background-color: rgb(166,  
152, 161) }
```

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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