

Converting Colors

XYZ(33.1486, 33.3324, 39.4310)

Have a look what the booklet for
XYZ(33.1486, 33.3324, 39.4310)
contains.

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Color

**XYZ(33.1063, 33.2133,
39.3163)**

Conversions

Conversions Part 1

Format	Color
Hex	A399A3
RGB	163, 153, 163
RGB Percent	64%, 60%, 64%
CMY	0.3608, 0.4000, 0.3608
CMYK	0.00, 0.06, 0.00, 0.36
HSL	300°, 5%, 62%
HSV	300°, 6%, 64%
XYZ	33.1063, 33.2133, 39.3163
YIQ	157.1300, 2.7500, 5.2300

Conversions

Conversions Part 2

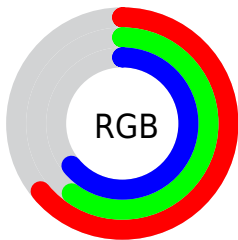
Format	Color
R _Y B	163, 153, 163
Decimal	10721699
CIE Lab	64.33, 5.53, -3.91
CIE LCh	64, 6.778, 324.738
Yxy	33.2133, 0.3134, 0.3144
Android (android.graphics.Color)	4288911779 (0xFFA399A3)
YUV	157.1300, 2.8939, 5.1480
Hunter-Lab	57.6310, 1.6857, -0.1064

Details

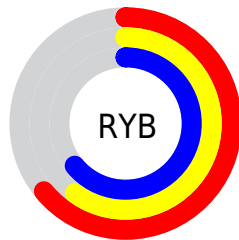
The XYZ color **33.1063, 33.2133, 39.3163** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.9851, 35.2675, 35.2602**, and the grayscale version is **32.0936, 33.7650, 36.7700**.

A 20% lighter version of the original color is **63.8812, 64.5930, 75.4305**, and **14.1762, 14.0299, 16.9998** is the 20% darker color. If you saturate the color by 10%, you get **30.6189, 28.2382, 38.4876**, and if you desaturate by 10%, it is **35.9601, 38.9202, 40.2679**.

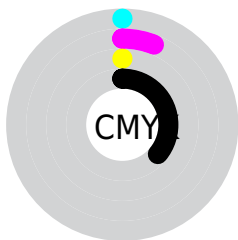
Distribution



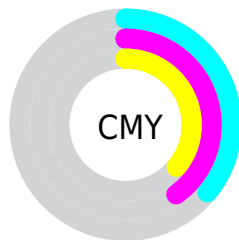
- Red (64%)
- Green (60%)
- Blue (64%)



- Red (64%)
- Yellow (60%)
- Blue (64%)



- Cyan (0%)
- Magenta (6%)
- Yellow (0%)
- Black (36%)



- Cyan (36%)
- Magenta (40%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1063, 33.2133, 39.3163 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 33.1063, 33.2133, 39.3163 by changing the saturation by 10% instead.

■ 33.1063, 33.2133,
39.3163

■ 33.1063, 33.2133,
39.3163

307.7850,
316.6098, 358.6994

■ 22.3675, 22.2899,
26.6962

■ 63.8950, 64.7084,
75.3469

■ 14.2453, 14.0701,
17.1147

■ 84.6757, 86.0489,
99.5945

■ 8.3743, 8.1694,
10.1535

109.5343,
111.6305, 128.5549

■ 4.3892, 4.2035,
5.3939

138.8363,
141.8377, 162.6468

■ 1.9246, 1.7881,
2.4174

172.9470,
177.0548, 202.2887

■ 0.5911, 0.4797,
0.7959

212.2318,

■ 0.0000, 0.0000,

217.6663, 247.8990

0.0000

257.0560,
264.0565, 299.8964

■ 33.1063, 33.2133,
39.3163

■ 33.1063, 33.2133,
39.3163

■ 30.6189, 28.2382,
38.4876

■ 35.9601, 38.9202,
40.2679

■ 28.4803, 23.9611,
37.7748

■ 39.1912, 45.3823,
41.3449

■ 26.6758, 20.3523,
37.1733

■ 42.8138, 52.6273,
42.5524

■ 25.1886, 17.3780,
36.6776

■ 46.8402, 60.6801,
43.8946

■ 24.0003, 15.0015,
36.2815

■ 51.2825, 69.5645,
45.3753

■ 23.0906, 13.1824,
35.9783

■ 56.1522, 79.3036,
46.9985

■ 22.4370, 11.8753,
35.7605

■ 57.4761, 81.9514,
47.4398

■ 22.0131, 11.0277,
35.6192

■ 57.4762, 81.9514,
47.4398

■ 21.7829, 10.5674,
35.5425

■ 57.4763, 81.9515,
47.4398

Harmonies

Analogous

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



32.3504, 33.2133, 41.2033



33.1063, 33.2133, 39.3163



33.4505, 33.2133, 36.6528

Triad

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



33.1063, 33.2133, 39.3163



31.7386, 33.2133, 31.1301



29.9142, 33.2133, 38.4312

Complementary

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



33.1063, 33.2133, 39.3163



31.9851, 35.2675, 35.2602

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.



29.7579, 33.2133, 35.6788



33.1063, 33.2133, 39.3163



30.7988, 33.2133, 31.5526

Square

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



33.1063, 33.2133, 39.3163



32.6507, 33.2133, 31.9993



30.0786, 33.2133, 33.1842



30.5100, 33.2133, 40.6744

Rectangle

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



33.1063, 33.2133, 39.3163



33.3953, 33.2133, 34.8297



30.0786, 33.2133, 33.1842



29.8091, 33.2133, 37.5312

Sweetspot

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



33.1073, 33.2147, 39.3170



61.3041, 63.5089, 71.0835



31.1677, 32.2554, 39.2341



13.7818, 14.2902, 15.9694



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



33.1073, 33.2147, 39.3170



58.8187, 58.5382, 70.2550



32.6825, 33.0448, 37.0799



7.4737, 7.4210, 8.9416



16.8759, 8.1063, 27.6050



0.3546, 0.1703, 0.5800

Inverse Universe

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



32.2465, 32.8704, 34.7838



57.0384, 57.8261, 60.8795



32.3924, 35.4305, 37.4052



7.2384, 7.3269, 7.7023



11.7389, 6.0516, 0.5495



0.2467, 0.1272, 0.0116

Previews

White Background



This preview shows how the XYZ color 33.1063, 33.2133, 39.3163 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 33.1063, 33.2133, 39.3163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

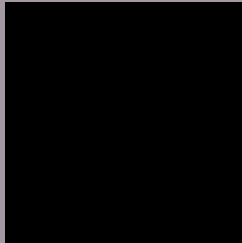
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.1063, 33.2133, 39.3163

Background



This preview shows how black text looks on a background with the XYZ color 33.1063, 33.2133, 39.3163.



This preview shows how white text looks on a background with the XYZ color 33.1063, 33.2133,

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

33.1063, 33.2133, 39.3163

Protanopia

32.1325, 33.1909, 39.8349

Deuteranopia

33.8259, 33.1024, 39.2569



Tritanopia

33.2870, 33.2856, 40.2677

Trichromacy



Original Color

33.1063, 33.2133, 39.3163

Protanomaly

32.5545, 33.1625, 39.8071

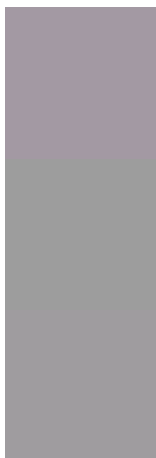
Deuteranomaly

33.5650, 33.2078, 39.2910

Tritanomaly

33.1963, 33.2493, 39.7901

Monochromacy



Original Color

33.1063, 33.2133, 39.3163

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.4446, 33.6511, 37.5862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1063, 33.2133, 39.3163 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(163, 153, 163)` looks like.

```
.text, #text, p{  
    color:rgb(163, 153, 163)  
}
```

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(163, 153, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 153, 163) }
```

Border

The CSS property to change the border of an element to XYZ 33.1063, 33.2133, 39.3163 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(163, 153, 163) }
```


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

```
.border{ border-color:rgb(163, 153, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 153, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 153, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 153, 163);  
box-shadow:4px 4px 4px 4px rgb(163, 153,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1063, 33.2133, 39.3163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 153, 163) }
```

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

```
.background{ background-color: rgb(163,  
153, 163) }
```

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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