

Converting Colors

XYZ(33.6193, 31.3425, 39.8193)

Have a look what the booklet for
XYZ(33.6193, 31.3425, 39.8193)
contains.

XYZ(33.5594, 31.3211, 39.8741)	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(33.5594, 31.3211,
39.8741)**

Conversions

Conversions Part 1

Format	Color
Hex	AB90A5
RGB	171, 144, 165
RGB Percent	67%, 56%, 65%
CMY	0.3294, 0.4353, 0.3529
CMYK	0.00, 0.16, 0.04, 0.33
HSL	313°, 14%, 62%
HSV	313°, 16%, 67%
XYZ	33.5594, 31.3211, 39.8741
YIQ	154.4670, 9.3510, 12.2550

Conversions

Conversions Part 2

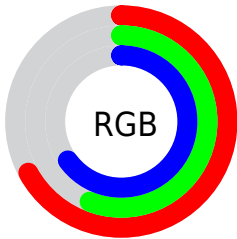
Format	Color
R_{YB}	171, 144, 165
Decimal	11243685
CIE Lab	62.78, 13.84, -7.27
CIE LCh	63, 15.628, 332.297
Yxy	31.3211, 0.3204, 0.2990
Android (android.graphics.Color)	4289433765 (0xFFAB90A5)
YUV	154.4670, 5.1928, 14.4994
Hunter-Lab	55.9653, 9.0978, -3.0672

Details

The XYZ color **33.5594, 31.3211, 39.8741** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.5708, 37.2580, 34.3835**, and the grayscale version is **30.8962, 32.5052, 35.3982**.

A 20% lighter version of the original color is **64.4764, 61.7242, 76.2258**, and **14.5911, 13.1196, 17.3861** is the 20% darker color. If you saturate the color by 10%, you get **30.8225, 26.3923, 37.2806**, and if you desaturate by 10%, it is **36.7007, 37.0414, 42.6538**.

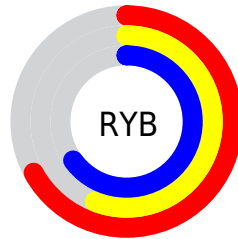
Distribution



Red (67%)

Green (56%)

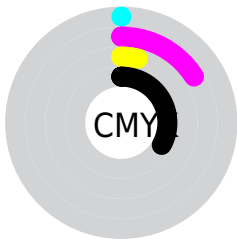
Blue (65%)



Red (67%)

Yellow (56%)

Blue (65%)

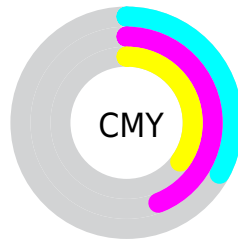


Cyan (0%)

Magenta (16%)

Yellow (4%)

Black (33%)



Cyan (33%)

Magenta (44%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5594, 31.3211, 39.8741 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 33.5594, 31.3211, 39.8741 by changing the saturation by 10% instead.

■ 33.5594, 31.3211,
39.8741

■ 33.5594, 31.3211,
39.8741

309.7835,
308.0149, 361.1289

■ 22.7166, 20.8435,
27.1274

■ 64.5968, 61.7453,
76.2067

■ 14.5039, 13.0096,
17.4356

■ 85.5220, 82.4606,
100.6297

■ 8.5560, 7.4352,
10.3803

110.5389,
107.3573, 129.7819

■ 4.5075, 3.7357,
5.5430

140.0126,
136.8197, 164.0817

■ 1.9931, 1.5269,
2.5050

174.3086,
171.2323, 203.9478

■ 0.6301, 0.3075,
0.8428

213.7921,

■ 0.0000, 0.0000,

210.9794, 249.7987

0.0000

258.8287,
256.4455, 302.0529

■ 33.5594, 31.3211,
39.8741

■ 33.5594, 31.3211,
39.8741

■ 30.8225, 26.3923,
37.2806

■ 36.7007, 37.0414,
42.6538

■ 28.4696, 22.2156,
34.8651

■ 40.2603, 43.5820,
45.6238

■ 26.4826, 18.7546,
32.6214

■ 44.2546, 50.9754,
48.7902

■ 24.8409, 15.9680,
30.5422

■ 48.6985, 59.2511,
52.1585

■ 23.5216, 13.8105,
28.6194

■ 53.6061, 68.4372,
55.7337

■ 22.4991, 12.2309,
26.8440

■ 58.9908, 78.5605,
59.5209

■ 21.7440, 11.1704,
25.2059

■ 62.0255, 83.9663,
62.5779

■ 21.2178, 10.5523,
23.6915

■ 62.4510, 84.1365,
64.8188

■ 21.0282, 10.3514,
23.0784

■ 62.8875, 84.3111,
67.1173

Harmonies

Analogous

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



32.0205, 31.3211, 45.0535



33.5594, 31.3211, 39.8741



34.0688, 31.3211, 33.6337

Triad

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



33.5594, 31.3211, 39.8741



29.6053, 31.3211, 23.6412



26.4286, 31.3211, 40.7879

Complementary

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



33.5594, 31.3211, 39.8741



31.5708, 37.2580, 34.3835

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.



25.8485, 31.3211, 34.5773



33.5594, 31.3211, 39.8741



27.6271, 31.3211, 25.0889

Square

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



33.5594, 31.3211, 39.8741



31.7219, 31.3211, 24.7064



26.2767, 31.3211, 28.9181



27.8994, 31.3211, 45.6240

Rectangle

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



33.5594, 31.3211, 39.8741



33.7372, 31.3211, 29.8291



26.2767, 31.3211, 28.9181



26.1263, 31.3211, 38.7676

Sweetspot

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



33.5603, 31.3225, 39.8748



66.1492, 67.1088, 76.7505



29.8754, 29.3582, 42.6207



14.6599, 14.7978, 17.0372



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.



33.5603, 31.3225, 39.8748



58.2833, 52.8046, 69.7269



32.4078, 30.8615, 33.8059



8.2597, 8.1171, 9.6786



15.8723, 7.8114, 17.5046



0.4602, 0.2247, 0.5850

Inverse Universe

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



33.5603, 31.3225, 39.8748



58.2833, 52.8046, 69.7269



32.7079, 37.7129, 40.3713



8.2597, 8.1171, 9.6786



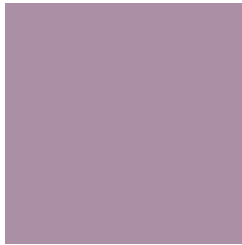
15.8723, 7.8114, 17.5046



0.4602, 0.2247, 0.5850

Previews

White Background



This preview shows how the XYZ color 33.5594, 31.3211, 39.8741 looks on a white background.

Color Contrast Check

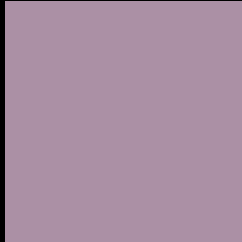
Large Text (above 18pt) WCAG AA × Fail

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 33.5594, 31.3211, 39.8741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

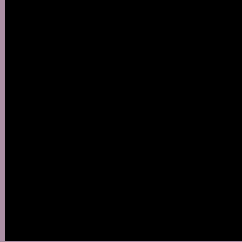
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5594, 31.3211, 39.8741

Background



This preview shows how black text looks on a background with the XYZ color 33.5594, 31.3211, 39.8741.



This preview shows how white text looks on a background with the XYZ color 33.5594, 31.3211,

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

33.5594, 31.3211, 39.8741

Protanopia

30.8057, 31.4818, 41.9891

Deuteranopia

31.9887, 31.4372, 39.5040



Tritanopia

32.7888, 31.2312, 36.1984

Trichromacy



Original Color

33.5594, 31.3211, 39.8741

Protanomaly

31.7583, 31.2761, 41.4088

Deuteranomaly

32.6516, 31.5471, 39.4902

Tritanomaly

33.0481, 31.3349, 37.5641

Monochromacy



Original Color

33.5594, 31.3211, 39.8741

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.5751, 31.7549, 36.8129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5594, 31.3211, 39.8741 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(171, 144, 165)` looks like.

```
.text, #text, p{  
    color:rgb(171, 144, 165)  
}
```

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(171, 144, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 144, 165) }
```

Border

The CSS property to change the border of an element to XYZ 33.5594, 31.3211, 39.8741 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(171, 144, 165) }
```


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

```
.border{ border-color:rgb(171, 144, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 144, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 144, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 144, 165);  
box-shadow:4px 4px 4px 4px rgb(171, 144,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5594, 31.3211, 39.8741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 144, 165) }
```

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

```
.background{ background-color: rgb(171,  
144, 165) }
```

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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