

Converting Colors

XYZ(30.3030, 33.2343, 36.2229)

Have a look what the booklet for
XYZ(30.3030, 33.2343, 36.2229)
contains.

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Color

**XYZ(30.4315, 33.3996,
36.2953)**

Conversions

Conversions Part 1

Format	Color
Hex	939F9C
RGB	147, 159, 156
RGB Percent	58%, 62%, 61%
CMY	0.4235, 0.3765, 0.3882
CMYK	0.08, 0.00, 0.02, 0.38
HSL	165°, 6%, 60%
HSV	165°, 8%, 62%
XYZ	30.4315, 33.3996, 36.2953
YIQ	155.0700, -6.1890, -3.4770

Conversions

Conversions Part 2

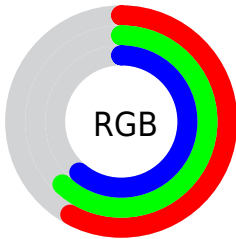
Format	Color
RYB	147, 154, 159
Decimal	9674652
CIELab	64.48, -4.85, 0.09
CIELCh	64, 4.854, 178.931
Yxy	33.3996, 0.3039, 0.3336
Android (android.graphics.Color)	4287864732 (0xFF939F9C)
YUV	155.0700, 0.4585, -7.0774
Hunter-Lab	57.7924, -7.1447, 3.2188

Details

The XYZ color **30.4315, 33.3996, 36.2953** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.2380, 30.4413, 33.1378**, and the grayscale version is **31.1874, 32.8116, 35.7319**.

A 20% lighter version of the original color is **59.7668, 65.1638, 70.4006**, and **12.7362, 14.2318, 15.4403** is the 20% darker color. If you saturate the color by 10%, you get **27.4439, 31.8986, 34.4264**, and if you desaturate by 10%, it is **33.8262, 35.1110, 38.2422**.

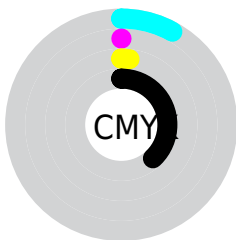
Distribution



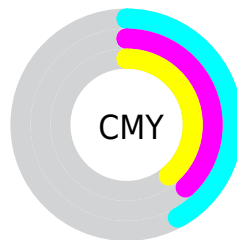
- Red (58%)
- Green (62%)
- Blue (61%)



- Red (58%)
- Yellow (60%)
- Blue (62%)



- Cyan (8%)
- Magenta (0%)
- Yellow (2%)
- Black (38%)



- Cyan (42%)
- Magenta (38%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4315, 33.3996, 36.2953 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 30.4315, 33.3996, 36.2953 by changing the saturation by 10% instead.

■ 30.4315, 33.3996,
36.2953

■ 30.4315, 33.3996,
36.2953

295.7845,
317.4465, 345.3258

■ 20.3160, 22.4327,
24.3709

■ 59.7259, 64.9989,
70.6618

■ 12.7346, 14.1752,
15.3942

■ 79.6355, 86.4001,
93.9409

■ 7.3218, 8.2426,
8.9468

103.5405,
112.0483, 121.8420

■ 3.7122, 4.2506,
4.6102

131.8063,
142.3277, 154.7836

■ 1.5407, 1.8147,
1.9657

164.7983,
177.6229, 193.1842

■ 0.3533, 0.4963,
0.5341

202.8817,

■ 0.0000, 0.0000,

218.3181, 237.4624

0.0000

246.4220,
264.7979, 288.0368

■ 30.4315, 33.3996,
36.2953

■ 30.4315, 33.3996,
36.2953

■ 27.4439, 31.8986,
34.4264

■ 33.8262, 35.1110,
38.2422

■ 24.8443, 30.5955,
32.6320

■ 37.6403, 37.0364,
40.2662

■ 22.6164, 29.4828,
30.9115

■ 41.8893, 39.1847,
42.3692

■ 20.7417, 28.5509,
29.2635

■ 46.5870, 41.5630,
44.5524

■ 19.1998, 27.7893,
27.6864

■ 51.7463, 44.1779,
46.8169

■ 17.9685, 27.1866,
26.1787

■ 57.3800, 47.0361,
49.1638

■ 17.0225, 26.7298,
24.7385

■ 62.2742, 49.5117,
51.5368

■ 16.3326, 26.4039,
23.3640

■ 62.6968, 49.6807,
53.7617

■ 15.8500, 26.1836,
22.0521

■ 63.1311, 49.8544,
56.0488

Harmonies

Analogous

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



30.6175, 33.3996, 34.4322



30.4315, 33.3996, 36.2953



30.5932, 33.3996, 38.2441

Triad

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



30.4315, 33.3996, 36.2953



32.3943, 33.3996, 39.8100



32.4380, 33.3996, 33.1945

Complementary

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



30.4315, 33.3996, 36.2953



30.2380, 30.4413, 33.1378

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.



32.9260, 33.3996, 34.5513



30.4315, 33.3996, 36.2953



32.9005, 33.3996, 38.3719

Square

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



30.4315, 33.3996, 36.2953



31.7205, 33.3996, 40.3173



33.0964, 33.3996, 36.4378



31.7702, 33.3996, 32.6826

Rectangle

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



30.4315, 33.3996, 36.2953



30.8779, 33.3996, 39.3203



33.0964, 33.3996, 36.4378



32.6289, 33.3996, 33.5644

Sweetspot

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



30.4324, 33.4010, 36.2960



57.7565, 61.4558, 66.9031



30.2802, 33.4073, 32.4566



13.0376, 13.8634, 15.0926



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



30.4324, 33.4010, 36.2960



53.5820, 59.3538, 64.4471



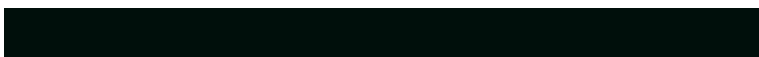
30.2137, 32.5516, 37.4932



6.7509, 7.4811, 8.1228



12.4503, 20.6481, 17.2603



0.2383, 0.3755, 0.3911

Inverse Universe

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



30.2380, 30.4413, 33.1378



53.1636, 52.9831, 57.6496



30.4401, 31.2274, 32.0274



6.6977, 6.6720, 7.2595



11.6073, 5.9475, 2.1832



0.2229, 0.1125, 0.1199

Previews

White Background



This preview shows how the XYZ color 30.4315, 33.3996, 36.2953 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 30.4315, 33.3996, 36.2953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

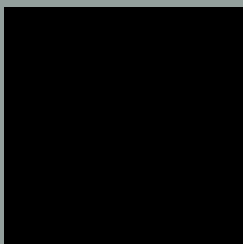
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

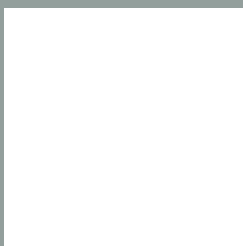
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.4315, 33.3996, 36.2953

Background



This preview shows how black text looks on a background with the XYZ color 30.4315, 33.3996, 36.2953.

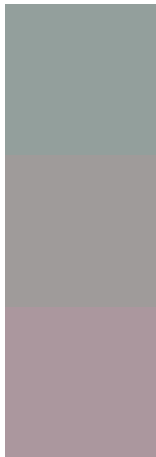


This preview shows how white text looks on a background with the XYZ color 30.4315, 33.3996,

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

30.4315, 33.3996, 36.2953

Protanopia

31.8522, 33.1467, 35.2910

Deuteranopia

34.0328, 33.2598, 36.9738



Tritanopia

31.6128, 33.3681, 42.3106

Trichromacy



Original Color

30.4315, 33.3996, 36.2953

Protanomaly

31.3224, 33.1121, 35.7507

Deuteranomaly

32.5417, 33.2269, 36.5966

Tritanomaly

31.1404, 33.4300, 39.9333

Monochromacy



Original Color

30.4315, 33.3996, 36.2953

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.7538, 32.8189, 35.7241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4315, 33.3996, 36.2953 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(147, 159, 156)` looks like.

```
.text, #text, p{  
    color:rgb(147, 159, 156)  
}
```

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(147, 159, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 159, 156) }
```

Border

The CSS property to change the border of an element to XYZ 30.4315, 33.3996, 36.2953 is called "border". The border property can be set on classes, ids or directly on the HTML element.

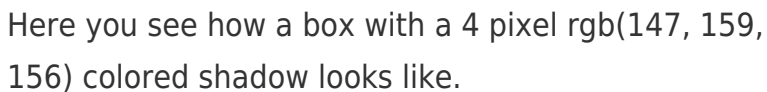
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 159, 156) }
```


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

```
.border{ border-color:rgb(147, 159, 156) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 159, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 159, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 159, 156); box-shadow:4px 4px 4px 4px rgb(147, 159, 156) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4315, 33.3996, 36.2953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 159, 156) }
```

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

```
.background{ background-color: rgb(147,  
159, 156) }
```

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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