

Converting Colors

XYZ(31.6624, 34.0080, 39.6398)

Have a look what the booklet for
XYZ(31.6624, 34.0080, 39.6398)
contains.

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Color

**XYZ(31.5867, 33.9246,
39.5336)**

Conversions

Conversions Part 1

Format	Color
Hex	969FA3
RGB	150, 159, 163
RGB Percent	59%, 62%, 64%
CMY	0.4118, 0.3765, 0.3608
CMYK	0.08, 0.02, 0.00, 0.36
HSL	198°, 7%, 61%
HSV	198°, 8%, 64%
XYZ	31.5867, 33.9246, 39.5336
YIQ	156.7650, -6.6480, -0.6640

Conversions

Conversions Part 2

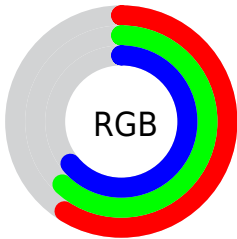
Format	Color
RYB	150, 155, 163
Decimal	9871267
CIELab	64.90, -2.39, -3.19
CIELCh	65, 3.987, 233.223
Yxy	33.9246, 0.3007, 0.3230
Android (android.graphics.Color)	4288061347 (0xFF969FA3)
YUV	156.7650, 3.0739, -5.9329
Hunter-Lab	58.2448, -5.1263, 0.5284

Details

The XYZ color **31.5867, 33.9246, 39.5336** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.1651, 33.0997, 33.5485**, and the grayscale version is **31.9318, 33.5947, 36.5847**.

A 20% lighter version of the original color is **61.6033, 65.9925, 75.8206**, and **13.3774, 14.5255, 17.1376** is the 20% darker color. If you saturate the color by 10%, you get **27.9490, 30.7964, 39.1220**, and if you desaturate by 10%, it is **35.6785, 37.3407, 39.9778**.

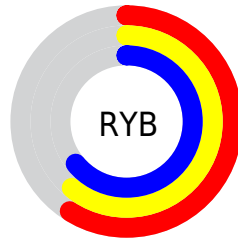
Distribution



Red (59%)

Green (62%)

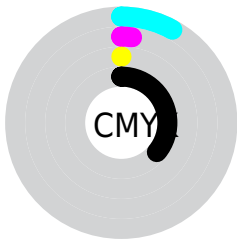
Blue (64%)



Red (59%)

Yellow (61%)

Blue (64%)

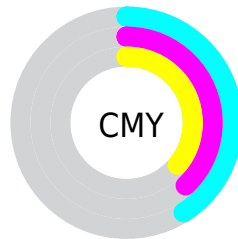


Cyan (8%)

Magenta (2%)

Yellow (0%)

Black (36%)



Cyan (41%)

Magenta (38%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5867, 33.9246, 39.5336 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 31.5867, 33.9246, 39.5336 by changing the saturation by 10% instead.

■ 31.5867, 33.9246,
39.5336

■ 31.5867, 33.9246,
39.5336

301.0111,
319.7957, 359.6473

■ 21.2000, 22.8357,
26.8641

■ 61.5322, 65.8164,
75.6821

■ 13.3836, 14.4722,
17.2396

■ 81.8217, 87.3881,
99.9981

■ 7.7720, 8.4498,
10.2417

106.1429,
113.2228, 129.0334

■ 4.0000, 4.3841,
5.4518

134.8611,
143.7049, 163.2064

■ 1.7021, 1.8907,
2.4514

168.3416,
179.2189, 202.9358

■ 0.4576, 0.5428,
0.8142

206.9499,

■ 0.0000, 0.0000,

220.1491, 248.6400

0.0000

251.0513,
266.8799, 300.7377

■ 31.5867, 33.9246,
39.5336

■ 31.5867, 33.9246,
39.5336

■ 27.9490, 30.7964,
39.1220

■ 35.6785, 37.3407,
39.9778

■ 24.7451, 27.9421,
38.7400

■ 40.2382, 41.0496,
40.4534

■ 21.9572, 25.3530,
38.3872

■ 45.2822, 45.0612,
40.9619

■ 19.5650, 23.0179,
38.0625

■ 50.8257, 49.3840,
41.5041

■ 17.5468, 20.9250,
37.7649

■ 56.8827, 54.0258,
42.0808

■ 15.8782, 19.0612,
37.4931

■ 63.4670, 58.9942,
42.6928

■ 14.5320, 17.4116,
37.2457

■ 67.1633, 62.5290,
43.1802

■ 13.4765, 15.9593,
37.0210

■ 68.2985, 64.7996,
43.5587

■ 12.6571, 14.6753,
36.8163

■ 69.4718, 67.1461,
43.9497

Harmonies

Analogous

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



31.2386, 33.9246, 38.2012



31.5867, 33.9246, 39.5336



32.1140, 33.9246, 40.1735

Triad

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



31.5867, 33.9246, 39.5336



33.3551, 33.9246, 37.3132



31.8102, 33.9246, 34.1032

Complementary

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



31.5867, 33.9246, 39.5336



32.1651, 33.0997, 33.5485

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.



32.3750, 33.9246, 33.8813



31.5867, 33.9246, 39.5336



33.2714, 33.9246, 35.7032

Square

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



31.5867, 33.9246, 39.5336



33.1383, 33.9246, 38.8671



32.9110, 33.9246, 34.4588



31.3666, 33.9246, 35.0741

Rectangle

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



31.5867, 33.9246, 39.5336



32.4979, 33.9246, 40.1081



32.9110, 33.9246, 34.4588



31.9920, 33.9246, 33.9397

Sweetspot

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



31.5877, 33.9260, 39.5343



60.8210, 64.3267, 71.2668



31.4999, 35.0088, 35.6260



13.6795, 14.4636, 16.0083



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.



31.5877, 33.9260, 39.5343



55.0612, 59.4758, 70.6341



30.5151, 31.7808, 39.1768



7.0914, 7.6419, 9.0043



9.7578, 11.2949, 28.5956



0.2438, 0.3150, 0.6138

Inverse Universe

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



32.2694, 32.1032, 37.2982



56.6058, 55.3971, 65.5563



33.2501, 35.2696, 33.9102



7.2711, 7.1649, 8.4142



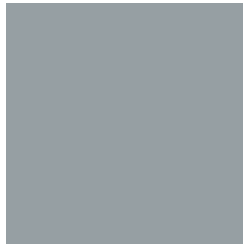
14.0707, 6.9844, 12.8290



0.3152, 0.1546, 0.3727

Previews

White Background



This preview shows how the XYZ color 31.5867, 33.9246, 39.5336 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 31.5867, 33.9246, 39.5336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

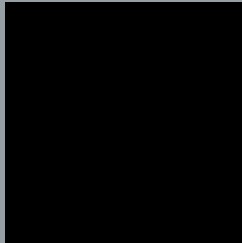
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5867, 33.9246, 39.5336

Background



This preview shows how black text looks on a background with the XYZ color 31.5867, 33.9246, 39.5336.



This preview shows how white text looks on a background with the XYZ color 31.5867, 33.9246,

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

31.5867, 33.9246, 39.5336

Protanopia

32.6196, 33.7211, 38.5078

Deuteranopia

34.4543, 33.8978, 39.8490



Tritanopia

32.2451, 33.9353, 42.8809

Trichromacy



Original Color

31.5867, 33.9246, 39.5336

Protanomaly

32.2889, 33.7905, 39.0028

Deuteranomaly

33.3225, 33.8044, 39.8906

Tritanomaly

31.9644, 33.8230, 41.4030

Monochromacy



Original Color

31.5867, 33.9246, 39.5336

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.8113, 33.8269, 37.6535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5867, 33.9246, 39.5336 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(150, 159, 163)` looks like.

```
.text, #text, p{  
    color:rgb(150, 159, 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(150, 159, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 159, 163) }
```

Border

The CSS property to change the border of an element to XYZ 31.5867, 33.9246, 39.5336 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(150, 159, 163) }
```


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

```
.border{ border-color:rgb(150, 159, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 159, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 159, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 159, 163);  
box-shadow:4px 4px 4px 4px rgb(150, 159,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5867, 33.9246, 39.5336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 159, 163) }
```

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

```
.background{ background-color: rgb(150,  
159, 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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