

Converting Colors

XYZ(31.9671, 32.0274, 47.3596)

Have a look what the booklet for
XYZ(31.9671, 32.0274, 47.3596)
contains.

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Color

**XYZ(31.9658, 31.9672,
47.1333)**

Conversions

Conversions Part 1

Format	Color
Hex	9797B3
RGB	151, 151, 179
RGB Percent	59%, 59%, 70%
CMY	0.4078, 0.4078, 0.2980
CMYK	0.16, 0.16, 0.00, 0.30
HSL	240°, 16%, 65%
HSV	240°, 16%, 70%
XYZ	31.9658, 31.9672, 47.1333
YIQ	154.1920, -8.9880, 8.7080

Conversions

Conversions Part 2

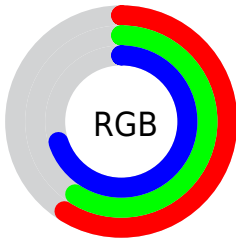
Format	Color
RYB	151, 151, 179
Decimal	9934771
CIELab	63.32, 5.83, -14.54
CIELCh	63, 15.668, 291.857
Yxy	31.9672, 0.2878, 0.2878
Android (android.graphics.Color)	4288124851 (0xFF9797B3)
YUV	154.1920, 12.2303, -2.7994
Hunter-Lab	56.5395, 1.9745, -9.8485

Details

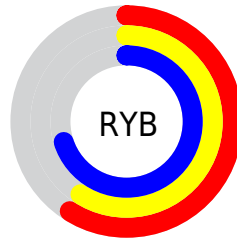
The XYZ color **31.9658, 31.9672, 47.1333** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **40.2966, 44.0582, 35.6592**, and the grayscale version is **30.7511, 32.3525, 35.2319**.

A 20% lighter version of the original color is **62.0036, 62.6399, 87.4200**, and **13.5786, 13.3300, 21.5959** is the 20% darker color. If you saturate the color by 10%, you get **26.2275, 25.0532, 46.1017**, and if you desaturate by 10%, it is **38.6478, 40.0186, 48.3357**.

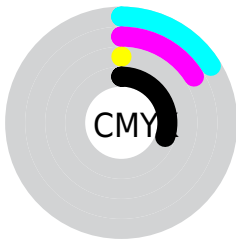
Distribution



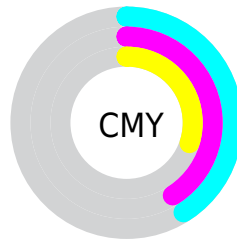
- Red (59%)
- Green (59%)
- Blue (70%)



- Red (59%)
- Yellow (59%)
- Blue (70%)



- Cyan (16%)
- Magenta (16%)
- Yellow (0%)
- Black (30%)



- Cyan (41%)
- Magenta (41%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9658, 31.9672, 47.1333 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 31.9658, 31.9672, 47.1333 by changing the saturation by 10% instead.

■ 31.9658, 31.9672,
47.1333

■ 31.9658, 31.9672,
47.1333

302.7115,
310.9698, 391.7555

■ 21.4908, 21.3364,
32.7859

■ 62.1230, 62.7597,
87.2646

■ 13.5977, 13.3702,
21.6927

■ 82.5360, 83.6902,
113.8857

■ 7.9212, 7.6839,
13.4352

106.9923,
108.8227, 145.4351

■ 4.0960, 3.8934,
7.5946

135.8573,
138.5417, 182.3313

■ 1.7566, 1.6141,
3.7526

169.4963,
173.2315, 224.9929

■ 0.4913, 0.3671,
1.4907

208.2748,

■ 0.0000, 0.0000,

213.2765, 273.8384

0.2109

252.5581,
259.0612, 329.2865

■ 0.0000, 0.0000,
0.0000

■ 31.9658, 31.9672,
47.1333

■ 31.9658, 31.9672,
47.1333

■ 26.2275, 25.0532,
46.1017

■ 38.6478, 40.0186,
48.3357

■ 21.3877, 19.2216,
45.2312

■ 46.3102, 49.2511,
49.7139

■ 17.4018, 14.4188,
44.5142

■ 54.9913, 59.7111,
51.2753

■ 14.2202, 10.5851,
43.9420

■ 64.7266, 71.4413,
53.0264

■ 11.7882, 7.6548,
43.5045

■ 75.5499, 84.4823,
54.9731

■ 10.0446, 5.5538,
43.1909

■ 85.1368, 96.0347,
56.6977

■ 8.9182, 4.1964,
42.9883

■ 8.3192, 3.4746,
42.8805

■ 8.1369, 3.2549,
42.8477

Harmonies

Analogous

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



29.7960, 31.9672, 48.0441



31.9658, 31.9672, 47.1333



33.7892, 31.9672, 42.7312

Triad

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



31.9658, 31.9672, 47.1333



33.0377, 31.9672, 26.2199



26.4333, 31.9672, 33.1397

Complementary

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



31.9658, 31.9672, 47.1333



40.2966, 44.0582, 35.6592

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.



27.2154, 31.9672, 27.9282



31.9658, 31.9672, 47.1333



30.9794, 31.9672, 24.2560

Square

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



31.9658, 31.9672, 47.1333



34.4283, 31.9672, 30.5400



28.8550, 31.9672, 24.8419



26.6693, 31.9672, 39.4537

Rectangle

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



31.9658, 31.9672, 47.1333



34.5290, 31.9672, 38.6667



28.8550, 31.9672, 24.8419



26.5845, 31.9672, 31.2128

Sweetspot

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



31.9668, 31.9685, 47.1340



69.9344, 72.5366, 86.6962



36.9728, 42.0559, 48.5702



15.2959, 15.8318, 19.1719



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.9668, 31.9685, 47.1340



53.2772, 52.4660, 83.7001



34.6241, 33.3381, 47.2583



8.0420, 8.2302, 10.6711



5.7499, 2.3001, 30.2779



0.1809, 0.0724, 0.9527

Inverse Universe

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



35.2437, 33.9521, 33.9755



60.3428, 56.7430, 55.3281



37.3209, 42.5246, 35.5200



8.4964, 8.5053, 8.8465



13.1369, 6.7723, 0.6150



0.4133, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 31.9658, 31.9672, 47.1333 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 31.9658, 31.9672, 47.1333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

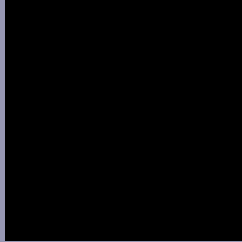
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.9658, 31.9672, 47.1333

Background



This preview shows how black text looks on a background with the XYZ color 31.9658, 31.9672, 47.1333.



This preview shows how white text looks on a background with the XYZ color 31.9658, 31.9672,

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

31.9658, 31.9672, 47.1333

Protanopia

31.6792, 32.0477, 47.6962

Deuteranopia

32.5606, 32.0359, 47.1152



Tritanopia

30.5772, 31.8886, 40.1408

Trichromacy



Original Color

31.9658, 31.9672, 47.1333

Protanomaly

31.8609, 32.1413, 47.7047

Deuteranomaly

32.3695, 31.9374, 47.1063

Tritanomaly

31.0616, 31.8428, 42.5394

Monochromacy



Original Color

31.9658, 31.9672, 47.1333

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.1390, 32.1991, 39.2242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9658, 31.9672, 47.1333 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(151, 151, 179)` looks like.

```
.text, #text, p{  
    color:rgb(151, 151, 179)  
}
```

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(151, 151, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 151, 179) }
```

Border

The CSS property to change the border of an element to XYZ 31.9658, 31.9672, 47.1333 is called "border". The border property can be set on classes, ids or directly on the HTML element.

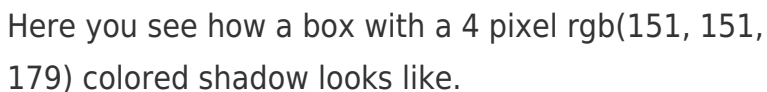
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(151, 151, 179) }
```


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

```
.border{ border-color:rgb(151, 151, 179) }
```

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



Here you see how a box with a 4 pixel `rgb(151, 151, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 151, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 151, 179); box-shadow:4px 4px 4px 4px rgb(151, 151, 179) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9658, 31.9672, 47.1333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 151, 179) }
```

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

```
.background{ background-color: rgb(151,  
151, 179) }
```

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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