

Converting Colors

XYZ(31.6834, 33.2151, 41.2193)

Have a look what the booklet for
XYZ(31.6834, 33.2151, 41.2193)
contains.

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Color

**XYZ(31.6260, 33.1463,
41.2902)**

Conversions

Conversions Part 1

Format	Color
Hex	979CA7
RGB	151, 156, 167
RGB Percent	59%, 61%, 65%
CMY	0.4078, 0.3882, 0.3451
CMYK	0.10, 0.07, 0.00, 0.35
HSL	221°, 8%, 62%
HSV	221°, 10%, 65%
XYZ	31.6260, 33.1463, 41.2902
YIQ	155.7590, -6.5110, 2.3610

Conversions

Conversions Part 2

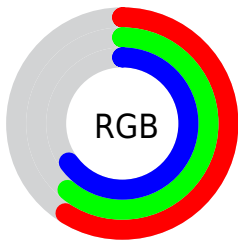
Format	Color
R_{YB}	151, 155, 167
Decimal	9936039
CIE Lab	64.28, 0.44, -6.35
CIE LCh	64, 6.367, 273.999
Yxy	33.1463, 0.2982, 0.3125
Android (android.graphics.Color)	4288126119 (0xFF979CA7)
YUV	155.7590, 5.5418, -4.1736
Hunter-Lab	57.5728, -2.6985, -2.2208

Details

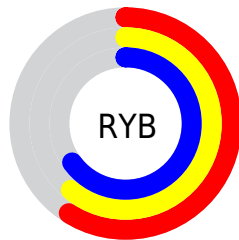
The XYZ color **31.6260, 33.1463, 41.2902** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.4426, 36.2901, 34.4680**, and the grayscale version is **31.4715, 33.1105, 36.0573**.

A 20% lighter version of the original color is **61.4082, 64.3462, 78.2907**, and **13.4016, 14.0503, 18.2253** is the 20% darker color. If you saturate the color by 10%, you get **26.9077, 27.9892, 40.5440**, and if you desaturate by 10%, it is **36.9673, 38.8966, 42.1191**.

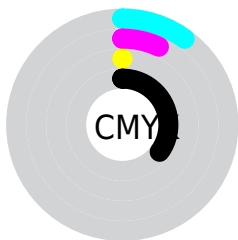
Distribution



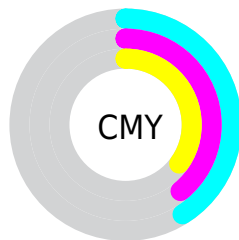
- Red (59%)
- Green (61%)
- Blue (65%)



- Red (59%)
- Yellow (61%)
- Blue (65%)



- Cyan (10%)
- Magenta (7%)
- Yellow (0%)
- Black (35%)



- Cyan (41%)
- Magenta (39%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6260, 33.1463, 41.2902 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 31.6260, 33.1463, 41.2902 by changing the saturation by 10% instead.

■ 31.6260, 33.1463,
41.2902

■ 31.6260, 33.1463,
41.2902

301.1877,
316.3085, 367.2445

■ 21.2302, 22.2385,
28.2245

■ 61.5935, 64.6039,
78.3827

■ 13.4058, 14.0323,
18.2544

■ 81.8958, 85.9225,
103.2465

■ 7.7875, 8.1431,
10.9615

106.2310,
111.4802, 132.8802

■ 4.0099, 4.1867,
5.9271

134.9645,
141.6613, 167.7022

■ 1.7077, 1.7785,
2.7327

168.4615,
176.8503, 208.1311

■ 0.4611, 0.4737,
0.9598

207.0875,

■ 0.0000, 0.0000,

217.4316, 254.5855

0.0000

251.2077,
263.7895, 307.4837

■ 31.6260, 33.1463,
41.2902

■ 31.6260, 33.1463,
41.2902

■ 26.9077, 27.9892,
40.5440

■ 36.9673, 38.8966,
42.1191

■ 22.7862, 23.4016,
39.8757

■ 42.9509, 45.2546,
43.0310

■ 19.2375, 19.3643,
39.2835

■ 49.5986, 52.2392,
44.0288

■ 16.2349, 15.8554,
38.7644

■ 56.9306, 59.8675,
45.1147

■ 13.7494, 12.8513,
38.3156

■ 64.9659, 68.1557,
46.2910

■ 11.7493, 10.3266,
37.9337

■ 73.7230, 77.1197,
47.5597

■ 10.1988, 8.2532,
37.6152

■ 78.3125, 84.2447,
48.6931

■ 9.0568, 6.5996,
37.3562

■ 81.7309, 91.0816,
49.8325

■ 8.2432, 5.3132,
37.1508

■ 83.9751, 95.5701,
50.5806

Harmonies

Analogous

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



30.7484, 33.1463, 40.7544



31.6260, 33.1463, 41.2902



32.4870, 33.1463, 40.3789

Triad

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



31.6260, 33.1463, 41.2902



32.9683, 33.1463, 33.3769



29.9673, 33.1463, 33.9512

Complementary

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



31.6260, 33.1463, 41.2902



34.4426, 36.2901, 34.4680

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.



30.5421, 33.1463, 32.1173



31.6260, 33.1463, 41.2902



32.2730, 33.1463, 31.7970

Square

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



31.6260, 33.1463, 41.2902



33.2713, 33.1463, 35.7445



31.3834, 33.1463, 31.3471



29.8015, 33.1463, 36.4391

Rectangle

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



31.6260, 33.1463, 41.2902



32.9324, 33.1463, 39.0979



31.3834, 33.1463, 31.3471



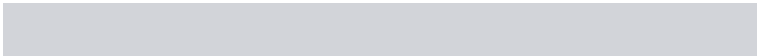
30.1186, 33.1463, 33.2418

Sweetspot

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



31.6270, 33.1477, 41.2909



62.7544, 65.9621, 74.8997



33.0974, 36.8235, 39.5151



13.8720, 14.5770, 16.7346



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.6270, 33.1477, 41.2909



55.1989, 57.7986, 73.7222



31.3559, 31.7873, 41.0426



7.3161, 7.6691, 9.5130



6.3239, 4.1080, 28.4351



0.1991, 0.1904, 0.7069

Inverse Universe

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



33.0044, 32.7496, 36.0360



58.0583, 56.9996, 62.8078



34.7287, 37.7719, 34.7390



7.6241, 7.5795, 8.3379



12.6926, 6.4858, 3.1929



0.3316, 0.1669, 0.1979

Previews

White Background



This preview shows how the XYZ color 31.6260, 33.1463, 41.2902 looks on a white background.

Color Contrast Check

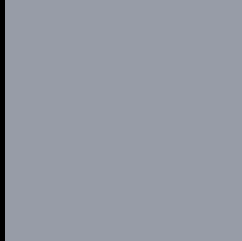
Large Text (above 18pt) WCAG AA × Fail

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 31.6260, 33.1463, 41.2902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

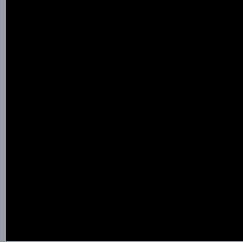
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6260, 33.1463, 41.2902

Background



This preview shows how black text looks on a background with the XYZ color 31.6260, 33.1463, 41.2902.

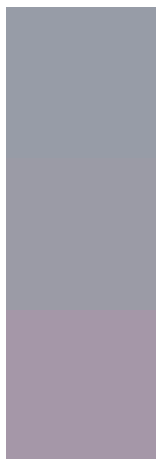


This preview shows how white text looks on a background with the XYZ color 31.6260, 33.1463,

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

31.6260, 33.1463, 41.2902

Protanopia

32.1218, 33.1644, 40.7848

Deuteranopia

33.6515, 32.9597, 41.6340



Tritanopia

31.7188, 33.1834, 41.7791

Trichromacy



Original Color

31.6260, 33.1463, 41.2902

Protanomaly

31.9307, 33.0659, 40.7758

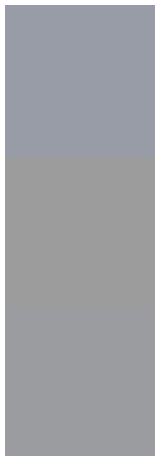
Deuteranomaly

32.9563, 33.0832, 41.6945

Tritanomaly

31.7188, 33.1834, 41.7791

Monochromacy



Original Color

31.6260, 33.1463, 41.2902

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.5601, 33.1850, 37.9997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6260, 33.1463, 41.2902 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, 156, 167)` looks like.

```
.text, #text, p{  
    color:rgb(151, 156, 167)  
}
```

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, 156, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 156, 167) }
```

Border

The CSS property to change the border of an element to XYZ 31.6260, 33.1463, 41.2902 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, 156, 167) }
```


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

```
.border{ border-color:rgb(151, 156, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 156, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 156, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 156, 167);  
box-shadow:4px 4px 4px 4px rgb(151, 156,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6260, 33.1463, 41.2902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 156, 167) }
```

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

```
.background{ background-color: rgb(151,  
156, 167) }
```

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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