

Converting Colors

XYZ(31.3876, 35.7801, 31.8207)

Have a look what the booklet for
XYZ(31.3876, 35.7801, 31.8207)
contains.

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Color

**XYZ(31.4328, 35.8654,
31.6516)**

Conversions

Conversions Part 1

Format	Color
Hex	97A690
RGB	151, 166, 144
RGB Percent	59%, 65%, 56%
CMY	0.4078, 0.3490, 0.4353
CMYK	0.09, 0.00, 0.13, 0.35
HSL	101°, 11%, 61%
HSV	101°, 13%, 65%
XYZ	31.4328, 35.8654, 31.6516
YIQ	159.0070, -1.8780, -10.0220

Conversions

Conversions Part 2

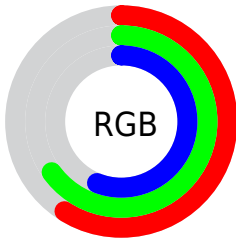
Format	Color
RYB	144, 166, 159
Decimal	9938576
CIELab	66.42, -9.48, 9.61
CIElCh	66, 13.498, 134.600
Yxy	35.8654, 0.3177, 0.3625
Android (android.graphics.Color)	4288128656 (0xFF97A690)
YUV	159.0070, -7.3985, -7.0221
Hunter-Lab	59.8877, -11.1156, 10.5857

Details

The XYZ color **31.4328, 35.8654, 31.6516** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.1557, 30.0716, 40.2406**, and the grayscale version is **32.9921, 34.7102, 37.7994**.

A 20% lighter version of the original color is **61.2263, 68.7693, 63.4729**, and **13.2932, 15.5521, 12.8909** is the 20% darker color. If you saturate the color by 10%, you get **28.2555, 34.3645, 25.3597**, and if you desaturate by 10%, it is **35.0003, 37.5480, 38.9372**.

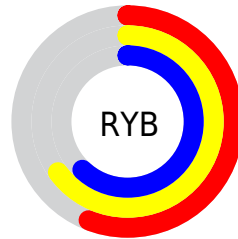
Distribution



Red (59%)

Green (65%)

Blue (56%)



Red (56%)

Yellow (65%)

Blue (62%)

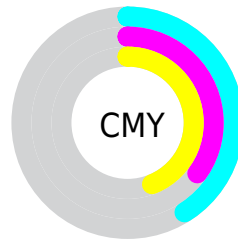


Cyan (9%)

Magenta (0%)

Yellow (13%)

Black (35%)



Cyan (41%)

Magenta (35%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4328, 35.8654, 31.6516 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 31.4328, 35.8654, 31.6516 by changing the saturation by 10% instead.

■ 31.4328, 35.8654,
31.6516

■ 31.4328, 35.8654,
31.6516

300.3187,
328.3719, 323.9728

■ 21.0821, 24.3303,
20.8329

■ 61.2921, 68.8243,
63.3561

■ 13.2968, 15.5788,
12.8119

■ 81.5313, 91.0168,
85.0789

■ 7.7117, 9.2266,
7.1699

105.7974,
117.5305, 111.2736

■ 3.9612, 4.8893,
3.4885

134.4558,
148.7499, 142.3586

■ 1.6802, 2.1824,
1.3492

167.8717,
185.0594, 178.7524

■ 0.4439, 0.7104,
0.1016

206.4106,

■ 0.0000, 0.0000,

226.8432, 220.8737

0.0000

250.4378,
274.4859, 269.1410

■ 31.4328, 35.8654,
31.6516

■ 31.4328, 35.8654,
31.6516

■ 28.2555, 34.3645,
25.3597

■ 35.0003, 37.5480,
38.9372

■ 25.4519, 33.0345,
20.0163

■ 38.9683, 39.4136,
47.2544

■ 23.0082, 31.8705,
15.5758

■ 43.3501, 41.4692,
56.6423

■ 20.9088, 30.8655,
11.9883

■ 48.1575, 43.7203,
67.1370

■ 19.1369, 30.0119,
9.1991

■ 53.4020, 46.1718,
78.7729

■ 17.6739, 29.3016,
7.1467

■ 59.0944, 48.8287,
91.5831

■ 16.4992, 28.7255,
5.7610

■ 64.3960, 51.3560,
101.1264

■ 15.5891, 28.2731,
4.9583

■ 68.1526, 53.2926,
101.3022

■ 15.0952, 28.0256,
4.6139

■ 72.1495, 55.3531,
101.4893

Harmonies

Analogous

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



33.1189, 35.8654, 29.2420



31.4328, 35.8654, 31.6516



30.4784, 35.8654, 36.1701

Triad

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



31.4328, 35.8654, 31.6516



33.0675, 35.8654, 50.7925



37.9891, 35.8654, 36.3128

Complementary

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



31.4328, 35.8654, 31.6516



31.1557, 30.0716, 40.2406

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.



37.9740, 35.8654, 42.0816



31.4328, 35.8654, 31.6516



35.0779, 35.8654, 50.8404

Square

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



31.4328, 35.8654, 31.6516



31.3965, 35.8654, 47.3978



36.8907, 35.8654, 47.5228



36.9312, 35.8654, 31.7472

Rectangle

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



31.4328, 35.8654, 31.6516



30.3607, 35.8654, 39.9506



36.8907, 35.8654, 47.5228



38.1107, 35.8654, 38.1656

Sweetspot

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



31.4338, 35.8669, 31.6524



62.9611, 67.8799, 69.5099



33.1023, 34.8039, 31.3593



13.9788, 15.1381, 15.3265



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.



31.4338, 35.8669, 31.6524



55.2177, 64.2282, 53.7809



30.4579, 35.3309, 33.0938



7.6530, 8.5192, 8.0303



11.7489, 21.7540, 3.5797



0.3385, 0.5564, 0.0896

Inverse Universe

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



31.1557, 30.0716, 40.2406



54.6094, 51.5627, 72.5497



32.2518, 30.6750, 38.5606



7.6064, 7.5452, 9.4738



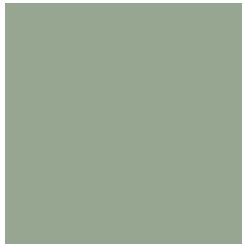
10.6873, 4.8929, 28.3566



0.3096, 0.1446, 0.6922

Previews

White Background



This preview shows how the XYZ color 31.4328, 35.8654, 31.6516 looks on a white background.

Color Contrast Check

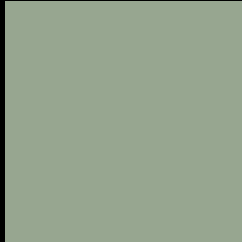
Large Text (above 18pt) WCAG AA × Fail

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 31.4328, 35.8654, 31.6516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

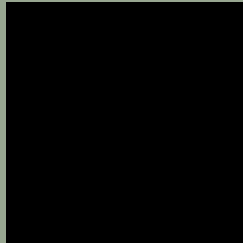
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.4328, 35.8654, 31.6516

Background



This preview shows how black text looks on a background with the XYZ color 31.4328, 35.8654, 31.6516.



This preview shows how white text looks on a background with the XYZ color 31.4328, 35.8654,

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

31.4328, 35.8654, 31.6516

Protanopia

33.9148, 35.8478, 30.3311

Deuteranopia

36.3682, 35.7973, 32.1869



Tritanopia

34.2706, 35.9646, 45.1800

Trichromacy



Original Color

31.4328, 35.8654, 31.6516

Protanomaly

32.8800, 35.8288, 30.7739

Deuteranomaly

34.4762, 35.8439, 31.8895

Tritanomaly

33.0345, 35.7088, 39.8017

Monochromacy



Original Color

31.4328, 35.8654, 31.6516

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.4634, 35.2417, 35.6632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4328, 35.8654, 31.6516 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, 166, 144)` looks like.

```
.text, #text, p{  
    color:rgb(151, 166, 144)  
}
```

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, 166, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 166, 144) }
```

Border

The CSS property to change the border of an element to XYZ 31.4328, 35.8654, 31.6516 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, 166, 144) }
```


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

```
.border{ border-color:rgb(151, 166, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 166, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 166, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 166, 144);  
box-shadow:4px 4px 4px 4px rgb(151, 166,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4328, 35.8654, 31.6516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 166, 144) }
```

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

```
.background{ background-color: rgb(151,  
166, 144) }
```

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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