

Converting Colors

XYZ(31.6206, 36.4644, 33.6979)

Have a look what the booklet for
XYZ(31.6206, 36.4644, 33.6979)
contains.

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Color

**XYZ(31.6402, 36.4711,
33.8058)**

Conversions

Conversions Part 1

Format	Color
Hex	94A895
RGB	148, 168, 149
RGB Percent	58%, 66%, 58%
CMY	0.4196, 0.3412, 0.4157
CMYK	0.12, 0.00, 0.11, 0.34
HSL	123°, 10%, 62%
HSV	123°, 12%, 66%
XYZ	31.6402, 36.4711, 33.8058
YIQ	159.8540, -5.8210, -10.1490

Conversions

Conversions Part 2

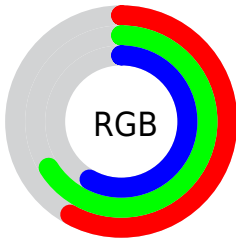
Format	Color
RYB	148, 167, 168
Decimal	9742485
CIELab	66.88, -10.71, 7.47
CIELCh	67, 13.053, 145.112
Yxy	36.4711, 0.3105, 0.3579
Android (android.graphics.Color)	4287932565 (0xFF94A895)
YUV	159.8540, -5.3510, -10.3960
Hunter-Lab	60.3913, -12.1651, 9.0846

Details

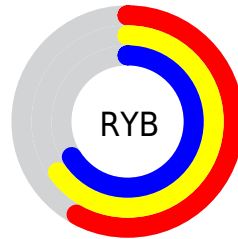
The XYZ color **31.6402, 36.4711, 33.8058** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.7147, 32.2955, 41.0176**, and the grayscale version is **33.3730, 35.1110, 38.2358**.

A 20% lighter version of the original color is **61.5243, 69.6437, 66.6998**, and **13.3798, 15.9140, 13.9218** is the 20% darker color. If you saturate the color by 10%, you get **27.6310, 34.5426, 27.4163**, and if you desaturate by 10%, it is **36.2672, 38.7000, 41.1373**.

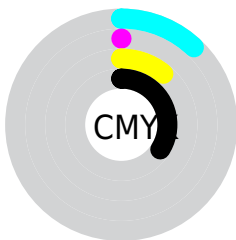
Distribution



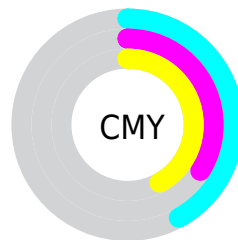
- Red (58%)
- Green (66%)
- Blue (58%)



- Red (58%)
- Yellow (65%)
- Blue (66%)



- Cyan (12%)
- Magenta (0%)
- Yellow (11%)
- Black (34%)



- Cyan (42%)
- Magenta (34%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6402, 36.4711, 33.8058 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 31.6402, 36.4711, 33.8058 by changing the saturation by 10% instead.

■ 31.6402, 36.4711,
33.8058

■ 31.6402, 36.4711,
33.8058

301.2515,
331.0150, 334.0079

■ 21.2410, 24.7983,
22.4683

■ 61.6156, 69.7586,
66.7620

■ 13.4138, 15.9268,
13.9998

■ 81.9226, 92.1420,
89.2178

■ 7.7930, 9.4724,
7.9818

106.2629,
118.8644, 116.2167

■ 4.0135, 5.0506,
3.9957

135.0018,
150.3102, 148.1774

■ 1.7098, 2.2770,
1.6230

168.5048,
186.8637, 185.5183

■ 0.4624, 0.7615,
0.3071

207.1372,

■ 0.0000, 0.0000,

228.9095, 228.6580

0.0000

251.2643,
276.8317, 278.0150

■ 31.6402, 36.4711,
33.8058

■ 31.6402, 36.4711,
33.8058

■ 27.6310, 34.5426,
27.4163

■ 36.2672, 38.7000,
41.1373

■ 24.2106, 32.8973,
21.9284

■ 41.5333, 41.2363,
49.4444

■ 21.3522, 31.5231,
17.3021

■ 47.4627, 44.0930,
58.7617

■ 19.0256, 30.4056,
13.4939

■ 54.0774, 47.2805,
69.1217

■ 17.1980, 29.5288,
10.4561

■ 61.3983, 50.8091,
80.5553

■ 15.8330, 28.8750,
8.1361

■ 69.4454, 54.6884,
93.0921

■ 14.8888, 28.4241,
6.4751

■ 73.2933, 56.4867,
101.6478

■ 14.3166, 28.1522,
5.4045

■ 14.0494, 28.0251,
4.9102

Harmonies

Analogous

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



33.0769, 36.4711, 30.6494



31.6402, 36.4711, 33.8058



31.0147, 36.4711, 38.7908

Triad

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



31.6402, 36.4711, 33.8058



34.3419, 36.4711, 51.5708



38.2205, 36.4711, 35.2690

Complementary

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



31.6402, 36.4711, 33.8058



33.7147, 32.2955, 41.0176

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.



38.5903, 36.4711, 40.6453



31.6402, 36.4711, 33.8058



36.3025, 36.4711, 50.4024

Square

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



31.6402, 36.4711, 33.8058



32.5363, 36.4711, 49.3232



37.8760, 36.4711, 46.2663



36.8839, 36.4711, 31.4362

Rectangle

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



31.6402, 36.4711, 33.8058



31.1241, 36.4711, 42.6162



37.8760, 36.4711, 46.2663



38.4641, 36.4711, 36.9406

Sweetspot

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



31.6412, 36.4727, 33.8066



63.8925, 69.3005, 71.6150



35.2859, 38.3607, 33.5620



13.7878, 15.0380, 15.3906



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.



31.6412, 36.4727, 33.8066



55.6054, 65.3107, 58.4672



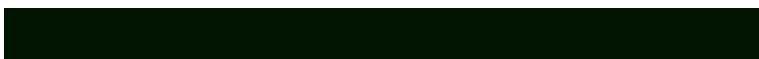
32.4745, 36.8060, 38.1947



7.4514, 8.4136, 8.0972



10.6147, 21.1647, 3.7381



0.2629, 0.5168, 0.1152

Inverse Universe

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



33.7147, 32.2955, 41.0176



60.0391, 56.3788, 73.8861



32.8253, 31.9398, 36.3342



7.8255, 7.6600, 9.3981



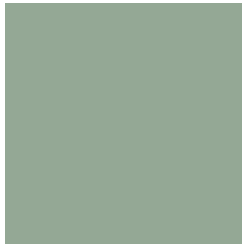
16.9655, 8.1949, 25.6937



0.4175, 0.2013, 0.6501

Previews

White Background



This preview shows how the XYZ color 31.6402, 36.4711, 33.8058 looks on a white background.

Color Contrast Check

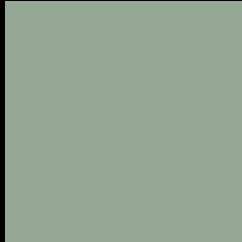
Large Text (above 18pt) WCAG AA × Fail

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 31.6402, 36.4711, 33.8058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

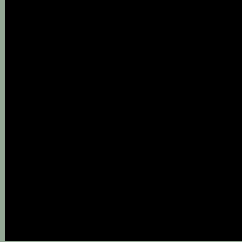
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6402, 36.4711, 33.8058

Background



This preview shows how black text looks on a background with the XYZ color 31.6402, 36.4711, 33.8058.



This preview shows how white text looks on a background with the XYZ color 31.6402, 36.4711,

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

31.6402, 36.4711, 33.8058

Protanopia

34.4708, 36.3510, 32.3938

Deuteranopia

36.9343, 36.2934, 34.3368



Tritanopia

34.3481, 36.4975, 46.8294

Trichromacy



Original Color

31.6402, 36.4711, 33.8058

Protanomaly

33.2399, 36.2346, 32.8458

Deuteranomaly

34.8275, 36.2378, 34.0132

Tritanomaly

33.1927, 36.2796, 41.8124

Monochromacy



Original Color

31.6402, 36.4711, 33.8058

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.8082, 35.6626, 36.6069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6402, 36.4711, 33.8058 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(148, 168, 149) looks like.

```
.text, #text, p{  
    color:rgb(148, 168, 149)  
}
```

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(148, 168, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 168, 149) }
```

Border

The CSS property to change the border of an element to XYZ 31.6402, 36.4711, 33.8058 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(148, 168, 149) }
```


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

```
.border{ border-color:rgb(148, 168, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 168, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 168, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 168, 149);  
box-shadow:4px 4px 4px 4px rgb(148, 168,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6402, 36.4711, 33.8058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 168, 149) }
```

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

```
.background{ background-color: rgb(148,  
168, 149) }
```

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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