

Converting Colors

XYZ(31.1755, 36.1719, 28.4243)

Have a look what the booklet for
XYZ(31.1755, 36.1719, 28.4243)
contains.

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Color

**XYZ(31.1408, 36.0621,
28.2411)**

Conversions

Conversions Part 1

Format	Color
Hex	98A787
RGB	152, 167, 135
RGB Percent	60%, 65%, 53%
CMY	0.4039, 0.3451, 0.4706
CMYK	0.09, 0.00, 0.19, 0.35
HSL	88°, 15%, 59%
HSV	88°, 19%, 65%
XYZ	31.1408, 36.0621, 28.2411
YIQ	158.8670, 1.3320, -13.1320

Conversions

Conversions Part 2

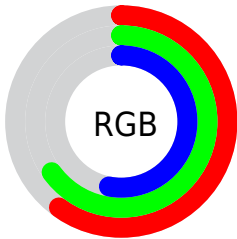
Format	Color
RYB	135, 167, 150
Decimal	10004359
CIELab	66.57, -11.20, 14.81
CIElCh	67, 18.568, 127.097
Yxy	36.0621, 0.3263, 0.3778
Android (android.graphics.Color)	4288194439 (0xFF98A787)
YUV	158.8670, -11.7664, -6.0224
Hunter-Lab	60.0517, -12.5264, 14.1533

Details

The XYZ color **31.1408, 36.0621, 28.2411** is a light color, and the websafe version is hex **999966**. A complement of this color would be **28.2182, 26.6030, 40.2088**, and the grayscale version is **32.9463, 34.6621, 37.7470**.

A 20% lighter version of the original color is **60.6520, 68.9952, 57.6977**, and **13.1373, 15.6840, 10.9292** is the 20% darker color. If you saturate the color by 10%, you get **28.6389, 34.8988, 22.4602**, and if you desaturate by 10%, it is **33.9258, 37.3522, 34.9996**.

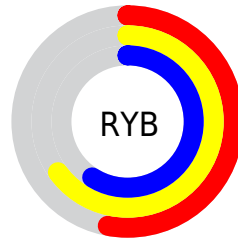
Distribution



Red (60%)

Green (65%)

Blue (53%)



Red (53%)

Yellow (65%)

Blue (59%)

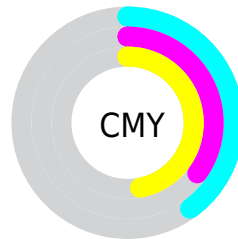


Cyan (9%)

Magenta (0%)

Yellow (19%)

Black (35%)



Cyan (40%)

Magenta (35%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1408, 36.0621, 28.2411 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 31.1408, 36.0621, 28.2411 by changing the saturation by 10% instead.

■ 31.1408, 36.0621,
28.2411

■ 31.1408, 36.0621,
28.2411

299.0018,
329.2319, 307.5653

■ 20.8584, 24.4822,
18.2669

■ 60.8360, 69.1279,
57.8969

■ 13.1324, 15.6917,
10.9703

■ 80.9796, 91.3826,
78.4155

■ 7.5974, 9.3062,
5.9330

■ 105.1409,
117.9642, 103.2860

■ 3.8881, 4.9415,
2.7362

133.6854,
149.2573, 132.9268

■ 1.6390, 2.2130,
0.9616

166.9784,
185.6463, 167.7567

■ 0.4176, 0.7270,
0.0000

205.3852,

■ 0.0000, 0.0000,

227.5154, 208.1940

0.0000

249.2712,
275.2491, 254.6574

■ 31.1408, 36.0621,
28.2411

■ 31.1408, 36.0621,
28.2411

■ 28.6389, 34.8988,
22.4602

■ 33.9258, 37.3522,
34.9996

■ 26.4069, 33.8532,
17.6093

■ 37.0009, 38.7686,
42.7755

■ 24.4346, 32.9222,
13.6404

■ 40.3764, 40.3166,
51.6097

■ 22.7098, 32.1008,
10.5000

■ 44.0611, 42.0002,
61.5396

■ 21.2193, 31.3833,
8.1292

■ 48.0634, 43.8228,
72.6011

■ 19.9484, 30.7638,
6.4611

■ 52.3915, 45.7878,
84.8284

■ 18.8800, 30.2350,
5.4174

■ 57.0531, 47.8986,
98.2543

■ 17.9821, 29.7839,
4.8413

■ 59.7870, 49.2509,
100.9630

■ 17.9115, 29.7484,
4.7980

■ 62.1364, 50.4621,
101.0730

Harmonies

Analogous

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



33.6174, 36.0621, 25.9069



31.1408, 36.0621, 28.2411



29.5677, 36.0621, 33.5843

Triad

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



31.1408, 36.0621, 28.2411



32.2302, 36.0621, 55.1875



39.8801, 36.0621, 37.3977

Complementary

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



31.1408, 36.0621, 28.2411



28.2182, 26.6030, 40.2088

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.



39.4592, 36.0621, 45.5538



31.1408, 36.0621, 28.2411



34.9430, 36.0621, 56.5711

Square

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



31.1408, 36.0621, 28.2411



30.1724, 36.0621, 49.2811



37.6148, 36.0621, 52.8399



38.7356, 36.0621, 30.7081

Rectangle

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



31.1408, 36.0621, 28.2411



29.1923, 36.0621, 38.4924



37.6148, 36.0621, 52.8399



39.9180, 36.0621, 40.0489

Sweetspot

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



31.1418, 36.0637, 28.2419



62.3816, 67.6420, 66.7349



31.2066, 31.7575, 27.4073



13.8852, 15.1026, 14.7470



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.



31.1418, 36.0637, 28.2419



53.8029, 63.6704, 45.9635



28.3572, 34.6282, 28.1116



7.8029, 8.5965, 8.0373



13.7624, 22.7920, 3.6739



0.3931, 0.5846, 0.0921

Inverse Universe

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



28.2182, 26.6030, 40.2088



47.5943, 43.5785, 71.3783



31.3523, 28.2188, 40.3555



7.4537, 7.4665, 9.4667



7.8157, 3.4126, 28.2222



0.2496, 0.1137, 0.6894

Previews

White Background



This preview shows how the XYZ color 31.1408, 36.0621, 28.2411 looks on a white background.

Color Contrast Check

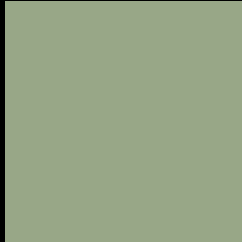
Large Text (above 18pt) WCAG AA × Fail

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 31.1408, 36.0621, 28.2411 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

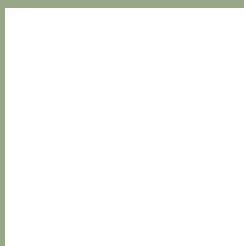
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1408, 36.0621, 28.2411

Background



This preview shows how black text looks on a background with the XYZ color 31.1408, 36.0621, 28.2411.



This preview shows how white text looks on a background with the XYZ color 31.1408, 36.0621,

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

31.1408, 36.0621, 28.2411

Protanopia

33.7043, 35.8136, 26.9661

Deuteranopia

36.6535, 36.0222, 28.6880



Tritanopia

34.6609, 36.1658, 45.1983

Trichromacy



Original Color

31.1408, 36.0621, 28.2411

Protanomaly

32.6407, 35.7804, 27.3763

Deuteranomaly

34.4703, 35.9179, 28.4086

Tritanomaly

33.3309, 36.1569, 38.4800

Monochromacy



Original Color

31.1408, 36.0621, 28.2411

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.1357, 35.1106, 33.9375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1408, 36.0621, 28.2411 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(152, 167, 135)` looks like.

```
.text, #text, p{  
    color:rgb(152, 167, 135)  
}
```

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(152, 167, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 167, 135) }
```

Border

The CSS property to change the border of an element to XYZ 31.1408, 36.0621, 28.2411 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(152, 167, 135) }
```


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

```
.border{ border-color:rgb(152, 167, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 167, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 167, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 167, 135);  
box-shadow:4px 4px 4px 4px rgb(152, 167,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1408, 36.0621, 28.2411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 167, 135) }
```

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

```
.background{ background-color: rgb(152,  
167, 135) }
```

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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