

Converting Colors

XYZ(33.1007, 38.0694, 31.5108)

Have a look what the booklet for
XYZ(33.1007, 38.0694, 31.5108)
contains.

XYZ(33.2311, 38.1769, 31.6040)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.2311, 38.1769,
31.6040)**

Conversions

Conversions Part 1

Format	Color
Hex	9CAB8F
RGB	156, 171, 143
RGB Percent	61%, 67%, 56%
CMY	0.3882, 0.3294, 0.4392
CMYK	0.09, 0.00, 0.16, 0.33
HSL	92°, 14%, 62%
HSV	92°, 16%, 67%
XYZ	33.2311, 38.1769, 31.6040
YIQ	163.3230, 0.0480, -11.8880

Conversions

Conversions Part 2

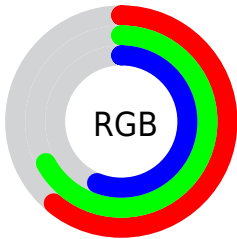
Format	Color
RYB	143, 171, 158
Decimal	10267535
CIELab	68.15, -10.48, 12.67
CIELCh	68, 16.439, 129.601
Yxy	38.1769, 0.3226, 0.3706
Android (android.graphics.Color)	4288457615 (0xFF9CAB8F)
YUV	163.3230, -10.0192, -6.4223
Hunter-Lab	61.7875, -12.1255, 12.9247

Details

The XYZ color **33.2311, 38.1769, 31.6040** is a light color, and the websafe version is hex **999966**. A complement of this color would be **31.2753, 29.8554, 42.6444**, and the grayscale version is **35.0122, 36.8355, 40.1139**.

A 20% lighter version of the original color is **64.1384, 72.2728, 63.3929**, and **14.3983, 16.9872, 12.8759** is the 20% darker color. If you saturate the color by 10%, you get **30.3268, 36.8193, 25.2136**, and if you desaturate by 10%, it is **36.4687, 39.6858, 39.0424**.

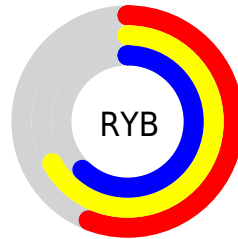
Distribution



Red (61%)

Green (67%)

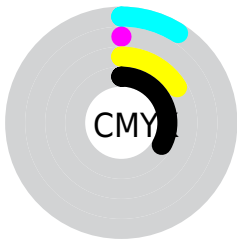
Blue (56%)



Red (56%)

Yellow (67%)

Blue (62%)

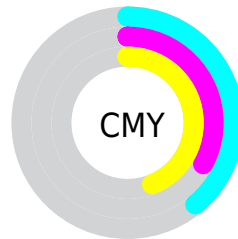


Cyan (9%)

Magenta (0%)

Yellow (16%)

Black (33%)



Cyan (39%)

Magenta (33%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2311, 38.1769, 31.6040 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 33.2311, 38.1769, 31.6040 by changing the saturation by 10% instead.

■ 33.2311, 38.1769,
31.6040

■ 33.2311, 38.1769,
31.6040

308.3364,
338.3782, 323.7483

■ 22.4636, 26.1200,
20.7969

■ 64.0884, 72.3792,
63.2804

■ 14.3165, 16.9134,
12.7858

■ 84.9090, 95.2934,
84.9869

■ 8.4243, 10.1728,
7.1522

109.8113,
122.5955, 111.1635

■ 4.4217, 5.5137,
3.4776

139.1607,
154.6699, 142.2288

■ 1.9434, 2.5517,
1.3434

173.3226,
191.9010, 178.6015

■ 0.6018, 0.9024,
0.0969

212.6622,

■ 0.0000, 0.0000,

234.6731, 220.6999

0.0000

257.5451,
283.3707, 268.9427

■ 33.2311, 38.1769,
31.6040

■ 33.2311, 38.1769,
31.6040

■ 30.3268, 36.8193,
25.2136

■ 36.4687, 39.6858,
39.0424

■ 27.7410, 35.6029,
19.8217

■ 40.0477, 41.3458,
47.5705

■ 25.4620, 34.5240,
15.3784


■ 43.9798, 43.1631,
57.2306


■ 23.4761, 33.5768,
11.8287


■ 48.2752, 45.1422,
68.0622


■ 21.7687, 32.7550,
9.1115


■ 52.9434, 47.2871,
80.1026


 20.3234, 32.0516,
7.1587


 57.9939, 49.6019,
93.3878


 19.1215, 31.4588,
5.8907

 62.1701, 51.5842,
101.2878

 18.1388, 30.9665,
5.1991

 65.0220, 53.0545,
101.4212

 17.8200, 30.8061,
5.0070

 68.0284, 54.6043,
101.5619

Harmonies

Analogous

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



35.4694, 38.1769, 29.1349



33.2311, 38.1769, 31.6040



31.8554, 38.1769, 36.8351

Triad

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



33.2311, 38.1769, 31.6040



34.5933, 38.1769, 56.2679



41.3712, 38.1769, 39.2559

Complementary

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



33.2311, 38.1769, 31.6040



31.2753, 29.8554, 42.6444

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.



41.1095, 38.1769, 46.6902



33.2311, 38.1769, 31.6040



37.1151, 38.1769, 57.1143

Square

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



33.2311, 38.1769, 31.6040



32.6158, 38.1769, 51.2410



39.5226, 38.1769, 53.4332



40.2217, 38.1769, 33.1963

Rectangle

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



33.2311, 38.1769, 31.6040



31.5727, 38.1769, 41.4698



39.5226, 38.1769, 53.4332



41.4465, 38.1769, 41.6667

Sweetspot

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



33.2321, 38.1786, 31.6048



66.1003, 71.4386, 71.7739



33.9695, 35.0735, 30.9666



14.6469, 15.8876, 15.7857



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



33.2321, 38.1786, 31.6048



57.3742, 67.3726, 51.8265



30.9207, 36.9788, 31.8674



8.2446, 9.1147, 8.5381



13.4926, 23.2528, 3.7771



0.4389, 0.6796, 0.1080

Inverse Universe

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



31.2753, 29.8554, 42.6444



53.1373, 49.3527, 75.7273



33.8805, 31.2087, 42.3034



7.9733, 7.9605, 10.0690



8.9013, 3.9487, 29.3375



0.3099, 0.1420, 0.8191

Previews

White Background



This preview shows how the XYZ color 33.2311, 38.1769, 31.6040 looks on a white background.

Color Contrast Check

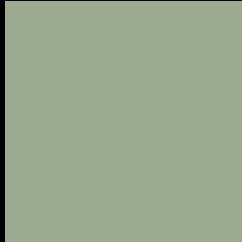
Large Text (above 18pt) WCAG AA × Fail

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 33.2311, 38.1769, 31.6040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

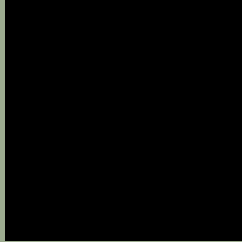
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

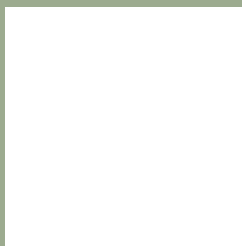
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2311, 38.1769, 31.6040

Background



This preview shows how black text looks on a background with the XYZ color 33.2311, 38.1769, 31.6040.



This preview shows how white text looks on a background with the XYZ color 33.2311, 38.1769,

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

33.2311, 38.1769, 31.6040

Protanopia

35.8680, 37.9177, 30.2393

Deuteranopia

38.6679, 38.0048, 32.0857



Tritanopia

36.4708, 38.1042, 48.0804

Trichromacy



Original Color

33.2311, 38.1769, 31.6040

Protanomaly

34.7749, 37.8854, 30.6791

Deuteranomaly

36.4410, 37.9116, 31.7826

Tritanomaly

35.1836, 38.1294, 41.5817

Monochromacy



Original Color

33.2311, 38.1769, 31.6040

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.1342, 37.1463, 36.8234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2311, 38.1769, 31.6040 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(156, 171, 143)` looks like.

```
.text, #text, p{  
    color:rgb(156, 171, 143)  
}
```

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(156, 171, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 171, 143) }
```

Border

The CSS property to change the border of an element to XYZ 33.2311, 38.1769, 31.6040 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(156, 171, 143) }
```


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

```
.border{ border-color:rgb(156, 171, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 171, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 171, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 171, 143);  
box-shadow:4px 4px 4px 4px rgb(156, 171,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2311, 38.1769, 31.6040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 171, 143) }
```

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

```
.background{ background-color: rgb(156,  
171, 143) }
```

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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