

Converting Colors

XYZ(33.1884, 38.2652, 27.8289)

Have a look what the booklet for
XYZ(33.1884, 38.2652, 27.8289)
contains.

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Color

**XYZ(33.0946, 38.1902,
27.8175)**

Conversions

Conversions Part 1

Format	Color
Hex	9FAB85
RGB	159, 171, 133
RGB Percent	62%, 67%, 52%
CMY	0.3765, 0.3294, 0.4784
CMYK	0.07, 0.00, 0.22, 0.33
HSL	79°, 18%, 60%
HSV	79°, 22%, 67%
XYZ	33.0946, 38.1902, 27.8175
YIQ	163.0800, 5.0460, -14.3620

Conversions

Conversions Part 2

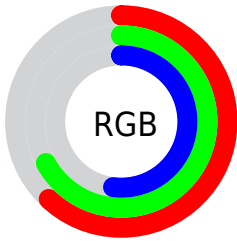
Format	Color
R_{YB}	133, 171, 145
Decimal	10464133
CIE Lab	68.16, -11.00, 18.20
CIE LCh	68, 21.266, 121.160
Yxy	38.1902, 0.3339, 0.3854
Android (android.graphics.Color)	4288654213 (0xFF9FAB85)
YUV	163.0800, -14.8294, -3.5782
Hunter-Lab	61.7982, -12.5554, 16.5703

Details

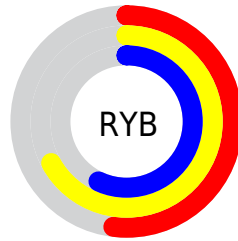
The XYZ color **33.0946, 38.1902, 27.8175** is a light color, and the websafe version is hex **999966**. A complement of this color would be **27.4168, 25.7362, 42.0527**, and the grayscale version is **34.9175, 36.7360, 40.0055**.

A 20% lighter version of the original color is **63.7908, 72.2340, 57.0348**, and **14.2216, 16.9440, 10.7046** is the 20% darker color. If you saturate the color by 10%, you get **30.9605, 37.2168, 22.0446**, and if you desaturate by 10%, it is **35.4699, 39.2680, 34.6073**.

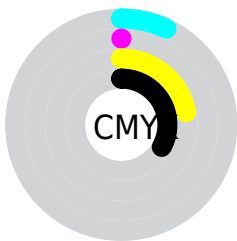
Distribution



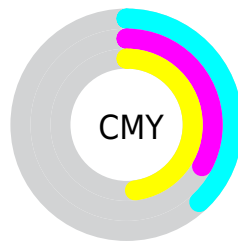
- Red (62%)
- Green (67%)
- Blue (52%)



- Red (52%)
- Yellow (67%)
- Blue (57%)



- Cyan (7%)
- Magenta (0%)
- Yellow (22%)
- Black (33%)





- Cyan (38%)
- Magenta (33%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0946, 38.1902, 27.8175 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 33.0946, 38.1902, 27.8175 by changing the saturation by 10% instead.


 33.0946, 38.1902,
27.8175


 33.0946, 38.1902,
27.8175


307.7332,
338.4352, 305.4783

 22.3585, 26.1303,
17.9503


 63.8769, 72.3996,
57.2125

 14.2386, 16.9212,
10.7452

 84.6538, 95.3179,
77.5774

 8.3696, 10.1783,
5.7838


 109.5083,
122.6244, 102.2786

 4.3862, 5.5173,
2.6474

138.8059,
154.7037, 131.7347

 1.9228, 2.5539,
0.9168

172.9118,
191.9400, 166.3642

 0.5901, 0.9035,
0.0000

212.1914,

 0.0000, 0.0000,

234.7177, 206.5855

0.0000

257.0101,
283.4213, 252.8174

■ 33.0946, 38.1902,
27.8175

■ 33.0946, 38.1902,
27.8175

■ 30.9605, 37.2168,
22.0446

■ 35.4699, 39.2680,
34.6073

■ 29.0548, 36.3388,
17.2372

■ 38.0926, 40.4491,
42.4572

■ 27.3677, 35.5535,
13.3431

■ 40.9724, 41.7385,
51.4109

■ 25.8876, 34.8562,
10.3040

■ 44.1177, 43.1397,
61.5089

■ 24.6015, 34.2417,
8.0551

■ 47.5362, 44.6559,
72.7898

■ 23.4948, 33.7039,
6.5224

■ 51.2355, 46.2901,
85.2901

■ 22.5501, 33.2359,
5.6176

■ 55.2227, 48.0452,
99.0450

■ 21.8984, 32.9086,
5.1978

■ 57.0283, 48.9336,
101.0472

■ 58.5177, 49.7014,
101.1169

Harmonies

Analogous

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



36.1696, 38.1902, 25.8510



33.0946, 38.1902, 27.8175



30.9888, 38.1902, 33.3723

Triad

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



33.0946, 38.1902, 27.8175



33.3055, 38.1902, 59.7421



43.0626, 38.1902, 41.2136

Complementary

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



33.0946, 38.1902, 27.8175



27.4168, 25.7362, 42.0527

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.



42.1828, 38.1902, 51.0399



33.0946, 38.1902, 27.8175



36.4280, 38.1902, 62.6712

Square

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



33.0946, 38.1902, 27.8175



31.1052, 38.1902, 51.7784



39.7031, 38.1902, 59.2721



42.0401, 38.1902, 32.8217

Rectangle

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



33.0946, 38.1902, 27.8175



30.3489, 38.1902, 38.8358



39.7031, 38.1902, 59.2721



42.9792, 38.1902, 44.4560

Sweetspot

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



33.0956, 38.1919, 27.8183



65.8599, 71.3780, 68.9030



31.0636, 30.4205, 26.4254



14.6274, 15.8907, 15.1873



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.



33.0956, 38.1919, 27.8183



57.2081, 67.4564, 44.1646



29.7144, 36.4488, 27.6601



8.4129, 9.2014, 8.5460



16.5635, 24.8359, 3.9208



0.5140, 0.7184, 0.1116

Inverse Universe

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



27.4168, 25.7362, 42.0527



45.1021, 40.8973, 74.5187



30.9259, 27.5451, 42.2170



7.8081, 7.8754, 10.0613



6.7379, 2.8334, 29.2363



0.2449, 0.1084, 0.8160

Previews

White Background



This preview shows how the XYZ color 33.0946, 38.1902, 27.8175 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 33.0946, 38.1902, 27.8175 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 33.0946, 38.1902, 27.8175

Background



This preview shows how black text looks on a background with the XYZ color 33.0946, 38.1902, 27.8175.



This preview shows how white text looks on a background with the XYZ color 33.0946, 38.1902,

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

33.0946, 38.1902, 27.8175

Protanopia

35.8644, 38.2582, 26.9671

Deuteranopia

38.7636, 37.8830, 28.1908



Tritanopia

37.0081, 38.1240, 47.5276

Trichromacy



Original Color

33.0946, 38.1902, 27.8175

Protanomaly

34.7451, 38.2173, 27.3752

Deuteranomaly

36.4563, 37.7394, 27.9172

Tritanomaly

35.4446, 38.0326, 39.6553

Monochromacy



Original Color

33.0946, 38.1902, 27.8175

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.2040, 37.2208, 35.0874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0946, 38.1902, 27.8175 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(159, 171, 133)` looks like.

```
.text, #text, p{  
    color:rgb(159, 171, 133)  
}
```

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(159, 171, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 171, 133) }
```

Border

The CSS property to change the border of an element to XYZ 33.0946, 38.1902, 27.8175 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(159, 171, 133) }
```


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

```
.border{ border-color:rgb(159, 171, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 171, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 171, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 171, 133);  
box-shadow:4px 4px 4px 4px rgb(159, 171,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0946, 38.1902, 27.8175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 171, 133) }
```

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

```
.background{ background-color: rgb(159,  
171, 133) }
```

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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