

Converting Colors

XYZ(33.0840, 34.3145, 28.2511)

Have a look what the booklet for
XYZ(33.0840, 34.3145, 28.2511)
contains.

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Color

**XYZ(33.0785, 34.4376,
28.1962)**

Conversions

Conversions Part 1

Format	Color
Hex	AA9D88
RGB	170, 157, 136
RGB Percent	67%, 62%, 53%
CMY	0.3333, 0.3843, 0.4667
CMYK	0.00, 0.08, 0.20, 0.33
HSL	37°, 17%, 60%
HSV	37°, 20%, 67%
XYZ	33.0785, 34.4376, 28.1962
YIQ	158.4930, 14.4890, -3.7750

Conversions

Conversions Part 2

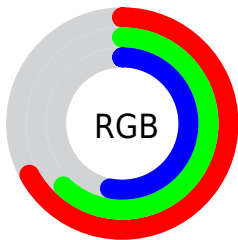
Format	Color
RYB	157, 170, 136
Decimal	11181448
CIELab	65.31, 1.23, 12.71
CIElCh	65, 12.767, 84.459
Yxy	34.4376, 0.3456, 0.3598
Android (android.graphics.Color)	4289371528 (0xFFAA9D88)
YUV	158.4930, -11.0890, 10.0916
Hunter-Lab	58.6836, -2.0801, 12.5909

Details

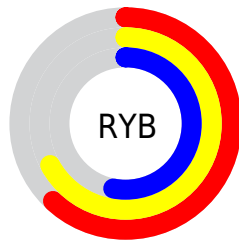
The XYZ color **33.0785, 34.4376, 28.1962** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.1563, 29.6307, 42.2658**, and the grayscale version is **32.7684, 34.4749, 37.5432**.

A 20% lighter version of the original color is **63.8436, 66.4314, 57.6017**, and **14.3050, 14.8315, 10.9129** is the 20% darker color. If you saturate the color by 10%, you get **30.8948, 31.8526, 21.9729**, and if you desaturate by 10%, it is **35.5142, 37.2193, 35.4498**.

Distribution



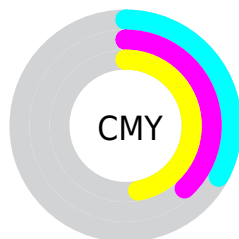
- Red (67%)
- Green (62%)
- Blue (53%)



- Red (62%)
- Yellow (67%)
- Blue (53%)



- Cyan (0%)
- Magenta (8%)
- Yellow (20%)
- Black (33%)



- Cyan (33%)
- Magenta (38%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0785, 34.4376, 28.1962 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 33.0785, 34.4376, 28.1962 by changing the saturation by 10% instead.

■ 33.0785, 34.4376,
28.1962

■ 33.0785, 34.4376,
28.1962

307.6620,
322.0789, 307.3446

■ 22.3461, 23.2300,
18.2333

■ 63.8519, 66.6136,
57.8244

■ 14.2295, 14.7634,
10.9464

■ 84.6237, 88.3508,
78.3268

■ 8.3632, 8.6535,
5.9171

■ 109.4726,
114.3666, 103.1793

■ 4.3820, 4.5159,
2.7268

138.7640,
145.0454, 132.8007

■ 1.9204, 1.9661,
0.9569

172.8633,
180.7716, 167.6094

■ 0.5887, 0.5877,
0.0000

212.1359,

■ 0.0000, 0.0000,

221.9297, 208.0239

0.0000

256.9470,
268.9040, 254.4628

■ 33.0785, 34.4376,
28.1962

■ 33.0785, 34.4376,
28.1962

■ 30.8948, 31.8526,
21.9729

■ 35.5142, 37.2193,
35.4498

■ 28.9505, 29.4544,
16.7300

■ 38.2084, 40.1982,
43.7761

■ 27.2357, 27.2386,
12.4166

■ 41.1708, 43.3808,
53.2178

■ 25.7389, 25.1992,
8.9763

■ 44.4099, 46.7717,
63.8148

■ 24.4474, 23.3294,
6.3466

■ 47.9334, 50.3754,
75.6047

■ 23.3466, 21.6220,
4.4564

■ 51.7490, 54.1963,
88.6235

■ 22.4199, 20.0686,
3.2223

■ 55.8638, 58.2384,
102.9045

■ 21.6312, 18.6530,
2.4603

■ 57.4258, 61.3622,
103.4252

■ 21.6311, 18.6530,
2.4603

■ 59.0527, 64.6161,
103.9675

Harmonies

Analogous

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



34.8556, 34.4376, 29.7630



33.0785, 34.4376, 28.1962



31.2730, 34.4376, 28.9231

Triad

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



33.0785, 34.4376, 28.1962



29.5826, 34.4376, 41.9005



35.7298, 34.4376, 43.7726

Complementary

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



33.0785, 34.4376, 28.1962



28.1563, 29.6307, 42.2658

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.



34.2355, 34.4376, 47.6164



33.0785, 34.4376, 28.1962



30.6963, 34.4376, 46.4659

Square

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



33.0785, 34.4376, 28.1962



29.2990, 34.4376, 36.5162



32.3877, 34.4376, 48.6458



36.4230, 34.4376, 38.4946

Rectangle

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



33.0785, 34.4376, 28.1962



30.2898, 34.4376, 30.6496



32.3877, 34.4376, 48.6458



35.3018, 34.4376, 45.2945

Sweetspot

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



33.0794, 34.4391, 28.1969



66.2814, 69.5896, 69.9615



30.8096, 28.3258, 32.2917



14.7136, 15.4439, 15.3945



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.



33.0794, 34.4391, 28.1969



58.2056, 60.3614, 45.9256



34.5519, 38.6379, 28.9298



7.9024, 8.2848, 7.9719



15.9671, 13.8314, 1.8282



0.4356, 0.4307, 0.0602

Inverse Universe

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



28.1563, 29.6307, 42.2658



47.6311, 50.0347, 76.1491



26.8699, 26.0836, 41.6489



7.3581, 7.7531, 9.5270



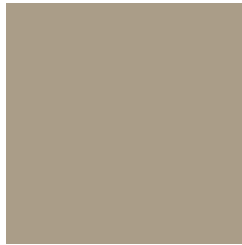
6.7776, 5.0154, 28.5863



0.2145, 0.2212, 0.7120

Previews

White Background



This preview shows how the XYZ color 33.0785, 34.4376, 28.1962 looks on a white background.

Color Contrast Check

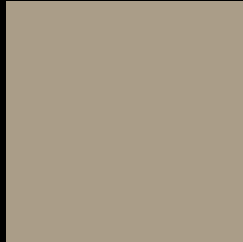
Large Text (above 18pt) WCAG AA × Fail

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 33.0785, 34.4376, 28.1962 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

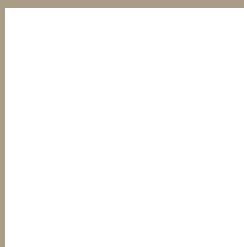
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0785, 34.4376, 28.1962

Background



This preview shows how black text looks on a background with the XYZ color 33.0785, 34.4376, 28.1962.



This preview shows how white text looks on a background with the XYZ color 33.0785, 34.4376,

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

33.0785, 34.4376, 28.1962

Protanopia

32.4681, 34.3669, 28.5891

Deuteranopia

35.1980, 34.5337, 28.4774



Tritanopia

35.6383, 34.4977, 40.3777

Trichromacy



Original Color

33.0785, 34.4376, 28.1962

Protanomaly

32.6786, 34.4754, 28.5990

Deuteranomaly

34.4311, 34.3823, 28.4887

Tritanomaly

34.6219, 34.3285, 35.3731

Monochromacy



Original Color

33.0785, 34.4376, 28.1962

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.6322, 34.3371, 33.7620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0785, 34.4376, 28.1962 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(170, 157, 136)` looks like.

```
.text, #text, p{  
    color:rgb(170, 157, 136)  
}
```

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(170, 157, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 157, 136) }
```

Border

The CSS property to change the border of an element to XYZ 33.0785, 34.4376, 28.1962 is called "border". The border property can be set on classes, ids or directly on the HTML element.

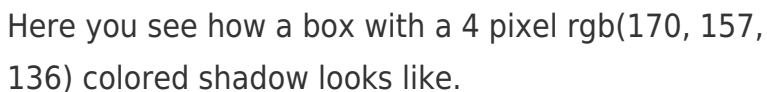
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 157, 136) }
```


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

```
.border{ border-color:rgb(170, 157, 136) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 157, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 157, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 157, 136); box-shadow:4px 4px 4px 4px rgb(170, 157, 136) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0785, 34.4376, 28.1962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 157, 136) }
```

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

```
.background{ background-color: rgb(170,  
157, 136) }
```

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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