

Converting Colors

XYZ(30.8857, 33.4873, 19.9933)

Have a look what the booklet for
XYZ(30.8857, 33.4873, 19.9933)
contains.

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Color

**XYZ(30.8626, 33.4771,
19.8740)**

Conversions

Conversions Part 1

Format	Color
Hex	A79D6F
RGB	167, 157, 111
RGB Percent	65%, 62%, 44%
CMY	0.3451, 0.3843, 0.5647
CMYK	0.00, 0.06, 0.34, 0.35
HSL	49°, 24%, 55%
HSV	49°, 34%, 65%
XYZ	30.8626, 33.4771, 19.8740
YIQ	154.7460, 20.7260, -12.1860

Conversions

Conversions Part 2

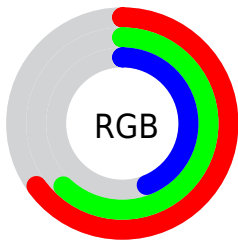
Format	Color
RYB	123, 167, 111
Decimal	10984815
CIELab	64.55, -3.51, 25.42
CIELCh	65, 25.663, 97.870
Yxy	33.4771, 0.3665, 0.3975
Android (android.graphics.Color)	4289174895 (0xFFA79D6F)
YUV	154.7460, -21.5668, 10.7468
Hunter-Lab	57.8594, -6.0408, 20.1362

Details

The XYZ color **30.8626, 33.4771, 19.8740** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.3679, 19.8438, 39.3162**, and the grayscale version is **31.1300, 32.7512, 35.6660**.

A 20% lighter version of the original color is **60.3366, 64.9209, 44.0012**, and **12.9907, 14.2444, 6.7674** is the 20% darker color. If you saturate the color by 10%, you get **29.5298, 32.1479, 15.3095**, and if you desaturate by 10%, it is **32.3814, 34.9027, 25.3494**.

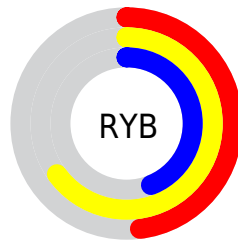
Distribution



Red (65%)

Green (62%)

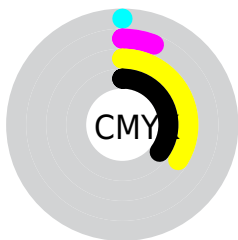
Blue (44%)



Red (48%)

Yellow (65%)

Blue (44%)

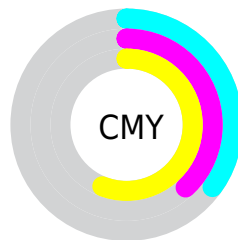


Cyan (0%)

Magenta (6%)

Yellow (34%)

Black (35%)



Cyan (35%)

Magenta (38%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8626, 33.4771, 19.8740 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 30.8626, 33.4771, 19.8740 by changing the saturation by 10% instead.

■ 30.8626, 33.4771,
19.8740

■ 30.8626, 33.4771,
19.8740

297.7430,
317.7941, 263.8138

■ 20.6456, 22.4922,
12.1203

■ 60.4010, 65.1197,
44.0620

■ 12.9761, 14.2190,
6.7021

■ 80.4531, 86.5461,
61.3335

■ 7.4890, 8.2731,
3.2009

■ 104.5142,
112.2219, 82.6145

■ 3.8188, 4.2702,
1.1981

■ 132.9497,
142.5314, 108.3238

■ 1.6001, 1.8258,
0.0000

166.1250,
177.8589, 138.8799

■ 0.3925, 0.5032,
0.0000

204.4054,

■ 0.0000, 0.0000,

218.5890, 174.7012

0.0000

248.1563,
265.1059, 216.2063

■ 30.8626, 33.4771,
19.8740

■ 30.8626, 33.4771,
19.8740

■ 29.5298, 32.1479,
15.3095

■ 32.3814, 34.9027,
25.3494

■ 28.3707, 30.9066,
11.6033

■ 34.0925, 36.4239,
31.7804

■ 27.3756, 29.7503,
8.7005

■ 36.0051, 38.0457,
39.2111

■ 26.5325, 28.6741,
6.5390

■ 38.1271, 39.7713,
47.6823

■ 25.8278, 27.6724,
5.0476

■ 40.4658, 41.6038,
57.2324

■ 25.2454, 26.7386,
4.1411

■ 43.0283, 43.5462,
67.8981

■ 24.9091, 26.1608,
3.7367

■ 45.8213, 45.6013,
79.7142

■ 48.8511, 47.7718,
92.7140

■ 51.0925, 49.6476,
101.4978

Harmonies

Analogous

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



34.5518, 33.4771, 20.7532



30.8626, 33.4771, 19.8740



27.6811, 33.4771, 22.7125

Triad

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



30.8626, 33.4771, 19.8740



26.5676, 33.4771, 50.3163



38.8130, 33.4771, 44.6057

Complementary

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



30.8626, 33.4771, 19.8740



20.3679, 19.8438, 39.3162

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.



36.3500, 33.4771, 54.8435



30.8626, 33.4771, 19.8740



29.2342, 33.4771, 58.5573

Square

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



30.8626, 33.4771, 19.8740



25.3287, 33.4771, 39.2884



32.7949, 33.4771, 60.3564



39.3328, 33.4771, 33.7534

Rectangle

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



30.8626, 33.4771, 19.8740



26.2099, 33.4771, 26.7251



32.7949, 33.4771, 60.3564



38.1762, 33.4771, 48.2893

Sweetspot

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



30.8634, 33.4786, 19.8747



62.1641, 66.1855, 61.1729



25.0887, 20.9718, 20.9011



13.8101, 14.7245, 13.2997



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.



30.8634, 33.4786, 19.8747



53.5241, 58.2273, 29.5547



29.1314, 35.2001, 20.2983



8.0313, 8.5426, 8.0149



19.0928, 20.0828, 2.8701



0.4934, 0.5464, 0.0795

Inverse Universe

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



20.3679, 19.8438, 39.3162



31.9115, 30.1587, 69.6146



21.6727, 18.8056, 39.0470



7.2361, 7.5091, 9.4864



5.7157, 2.8916, 28.2324



0.1694, 0.1310, 0.6970

Previews

White Background



This preview shows how the XYZ color 30.8626, 33.4771, 19.8740 looks on a white background.

Color Contrast Check

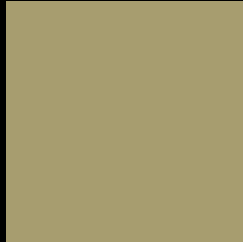
Large Text (above 18pt) WCAG AA × Fail

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 30.8626, 33.4771, 19.8740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

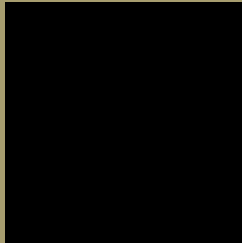
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.8626, 33.4771, 19.8740

Background



This preview shows how black text looks on a background with the XYZ color 30.8626, 33.4771, 19.8740.



This preview shows how white text looks on a background with the XYZ color 30.8626, 33.4771,

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

30.8626, 33.4771, 19.8740

Protanopia

31.1199, 33.3596, 19.8378

Deuteranopia

34.0807, 33.4216, 19.9840



Tritanopia

34.6615, 33.3056, 38.7842

Trichromacy



Original Color

30.8626, 33.4771, 19.8740

Protanomaly

30.9062, 33.2495, 19.8278

Deuteranomaly

32.9063, 33.5360, 20.0680

Tritanomaly

33.1437, 33.4236, 30.6911

Monochromacy



Original Color

30.8626, 33.4771, 19.8740

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.8467, 33.0119, 29.1722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8626, 33.4771, 19.8740 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(167, 157, 111)` looks like.

```
.text, #text, p{  
    color:rgb(167, 157, 111)  
}
```

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(167, 157, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 157, 111) }
```

Border

The CSS property to change the border of an element to XYZ 30.8626, 33.4771, 19.8740 is called "border". The border property can be set on classes, ids or directly on the HTML element.

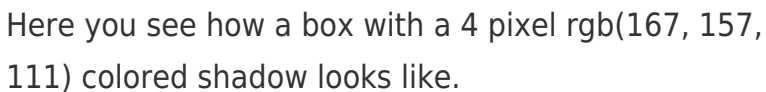
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 157, 111) }
```


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

```
.border{ border-color:rgb(167, 157, 111) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 157, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 157, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 157, 111);  
box-shadow:4px 4px 4px 4px rgb(167, 157,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8626, 33.4771, 19.8740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 157, 111) }
```

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

```
.background{ background-color: rgb(167,  
157, 111) }
```

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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