

Converting Colors

XYZ(33.3546, 28.1233, 17.4144)

Have a look what the booklet for
XYZ(33.3546, 28.1233, 17.4144)
contains.

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Color

**XYZ(33.4796, 28.2251,
17.3191)**

Conversions

Conversions Part 1

Format	Color
Hex	C67F6A
RGB	198, 127, 106
RGB Percent	78%, 50%, 42%
CMY	0.2235, 0.5019, 0.5843
CMYK	0.00, 0.36, 0.46, 0.22
HSL	14°, 45%, 60%
HSV	14°, 46%, 78%
XYZ	33.4796, 28.2251, 17.3191
YIQ	145.8350, 49.0570, 8.5210

Conversions

Conversions Part 2

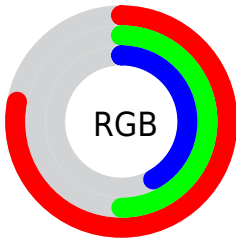
Format	Color
RYB	198, 133, 106
Decimal	13008746
CIELab	60.09, 25.14, 22.83
CIELCh	60, 33.954, 42.247
Yxy	28.2251, 0.4237, 0.3572
Android (android.graphics.Color)	4291198826 (0xFFC67F6A)
YUV	145.8350, -19.6387, 45.7487
Hunter-Lab	53.1273, 19.5138, 17.8610

Details

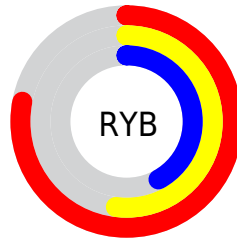
The XYZ color **33.4796, 28.2251, 17.3191** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **31.8583, 38.5840, 59.1944**, and the grayscale version is **27.3185, 28.7412, 31.2991**.

A 20% lighter version of the original color is **63.6471, 56.3368, 39.4178**, and **14.4021, 11.2760, 5.4204** is the 20% darker color. If you saturate the color by 10%, you get **30.7405, 24.2088, 11.8992**, and if you desaturate by 10%, it is **36.7572, 32.9378, 24.0918**.

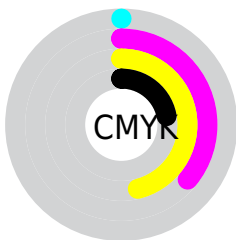
Distribution



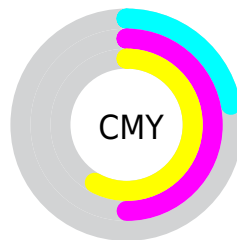
- Red (78%)
- Green (50%)
- Blue (42%)



- Red (78%)
- Yellow (52%)
- Blue (42%)



- Cyan (0%)
- Magenta (36%)
- Yellow (46%)
- Black (22%)





- Cyan (22%)
- Magenta (50%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4796, 28.2251, 17.3191 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 33.4796, 28.2251, 17.3191 by changing the saturation by 10% instead.


 33.4796, 28.2251,
17.3191


 33.4796, 28.2251,
17.3191


309.4322,
293.5410, 249.1105


 22.6551, 18.4954,
10.2979


 64.4733, 56.8436,
39.6718


 14.4583, 11.3062,
5.4887


 85.3731, 76.5013,
55.8403

 8.5240, 6.2732,
2.4731


 110.3622,
100.2370, 75.8950

 4.4866, 3.0119,
0.8258

 139.8057,
128.4352, 100.2545

 1.9809, 1.1380,
0.0000

174.0691,
161.4803, 129.3372

 0.6232, 0.0101,
0.0000

213.5178,

 0.0000, 0.0000,

199.7567, 163.5618

0.0000

258.5171,
243.6488, 203.3467

■ 33.4796, 28.2251,
17.3191

■ 33.4796, 28.2251,
17.3191

■ 30.7405, 24.2088,
11.8992

■ 36.7572, 32.9378,
24.0918

■ 28.5076, 20.8513,
7.7387

■ 40.5987, 38.3740,
32.2989

■ 26.7486, 18.1175,
4.7346


■ 45.0304, 44.5642,
42.0174


■ 25.4259, 15.9673,
2.7668


■ 50.0764, 51.5361,
53.3185


■ 24.4938, 14.3546,
1.6808


■ 55.7594, 59.3159,
66.2686

 24.2349, 13.8982,
1.4053

 62.1008, 67.9285,
80.9304

 69.1211, 77.3977,
97.3634

 75.2889, 87.1262,
107.4566

 77.0987, 90.7457,
108.0599

Harmonies

Analogous

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



35.8209, 28.2251, 25.9436



33.4796, 28.2251, 17.3191



29.4487, 28.2251, 13.1482

Triad

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



33.4796, 28.2251, 17.3191



19.6487, 28.2251, 24.0154



28.6336, 28.2251, 60.4464

Complementary

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



33.4796, 28.2251, 17.3191



31.8583, 38.5840, 59.1944

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.



24.3659, 28.2251, 59.5197



33.4796, 28.2251, 17.3191



19.4808, 28.2251, 36.0769

Square

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



33.4796, 28.2251, 17.3191



21.6062, 28.2251, 16.2365



21.1200, 28.2251, 49.7287



32.8278, 28.2251, 51.9966

Rectangle

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



33.4796, 28.2251, 17.3191



26.5018, 28.2251, 12.5235



21.1200, 28.2251, 49.7287



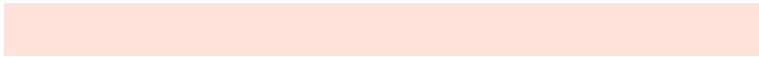
27.1550, 28.2251, 61.2738

Sweetspot

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



33.4803, 28.2265, 17.3196



81.6582, 81.5753, 78.6668



36.4854, 25.5311, 45.1597



17.0792, 16.9070, 15.9512



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.4803, 28.2265, 17.3196



54.2710, 42.6248, 20.7547



40.6301, 42.5261, 19.7029



10.8271, 11.0233, 11.1198



15.8149, 9.1470, 0.9320



0.8056, 0.5466, 0.0631

Inverse Universe

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



31.8583, 38.5840, 59.1944



50.9845, 63.1318, 104.1062



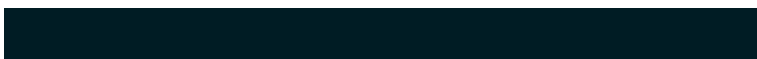
24.3974, 23.6623, 56.7074



10.7335, 11.6410, 13.5987



14.0820, 17.5579, 37.3912



0.7185, 0.9348, 1.7877

Previews

White Background



This preview shows how the XYZ color 33.4796, 28.2251, 17.3191 looks on a white background.

Color Contrast Check

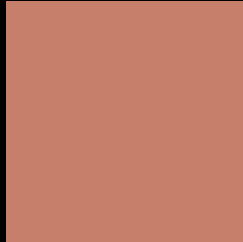
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.4796, 28.2251, 17.3191 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 × Fail

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

XYZ 33.4796, 28.2251, 17.3191

Background



This preview shows how black text looks on a background with the XYZ color 33.4796, 28.2251, 17.3191.



This preview shows how white text looks on a background with the XYZ color 33.4796, 28.2251,

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

33.4796, 28.2251, 17.3191

Protanopia

26.6802, 28.4343, 20.0018

Deuteranopia

28.9649, 28.3490, 17.0420



Tritanopia

35.0672, 28.1112, 25.4076

Trichromacy



Original Color

33.4796, 28.2251, 17.3191

Protanomaly

28.7523, 27.9826, 18.9247

Deuteranomaly

30.5052, 28.2930, 17.2179

Tritanomaly

34.3360, 27.9875, 22.3313

Monochromacy



Original Color

33.4796, 28.2251, 17.3191

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.8464, 28.1033, 25.3768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4796, 28.2251, 17.3191 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(198, 127, 106)` looks like.

```
.text, #text, p{  
    color:rgb(198, 127, 106)  
}
```

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(198, 127, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 127, 106) }
```

Border

The CSS property to change the border of an element to XYZ 33.4796, 28.2251, 17.3191 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(198, 127, 106) }
```


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

```
.border{ border-color:rgb(198, 127, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 127, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 127, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 127, 106);  
box-shadow:4px 4px 4px 4px rgb(198, 127,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4796, 28.2251, 17.3191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 127, 106) }
```

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

```
.background{ background-color: rgb(198,  
127, 106) }
```

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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