

Converting Colors

XYZ(33.5560, 28.8524, 17.9857)

Have a look what the booklet for
XYZ(33.5560, 28.8524, 17.9857)
contains.

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Color

**XYZ(33.4544, 28.7837,
17.9799)**

Conversions

Conversions Part 1

Format	Color
Hex	C4826C
RGB	196, 130, 108
RGB Percent	77%, 51%, 42%
CMY	0.2314, 0.4902, 0.5765
CMYK	0.00, 0.34, 0.45, 0.23
HSL	15°, 43%, 60%
HSV	15°, 45%, 77%
XYZ	33.4544, 28.7837, 17.9799
YIQ	147.2260, 46.3980, 7.1500

Conversions

Conversions Part 2

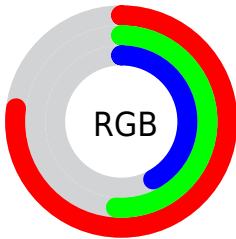
Format	Color
R_{YB}	196, 137, 108
Decimal	12878444
CIE Lab	60.59, 22.90, 22.33
CIE LCh	61, 31.981, 44.278
Yxy	28.7837, 0.4170, 0.3588
Android (android.graphics.Color)	4291068524 (0xFFC4826C)
YUV	147.2260, -19.3384, 42.7748
Hunter-Lab	53.6504, 17.4176, 17.6854

Details

The XYZ color **33.4544, 28.7837, 17.9799** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **31.2836, 37.4444, 57.8033**, and the grayscale version is **27.8914, 29.3440, 31.9556**.

A 20% lighter version of the original color is **64.5186, 57.6650, 40.9877**, and **14.4995, 11.6390, 5.7573** is the 20% darker color. If you saturate the color by 10%, you get **30.7088, 24.7784, 12.4840**, and if you desaturate by 10%, it is **36.7153, 33.4443, 24.8050**.

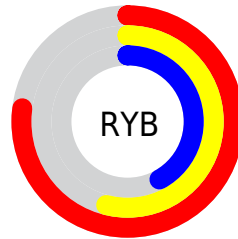
Distribution



Red (77%)

Green (51%)

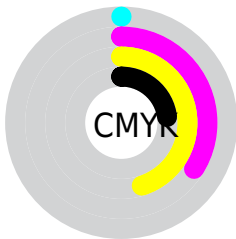
Blue (42%)



Red (77%)

Yellow (54%)

Blue (42%)

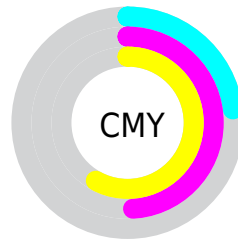


Cyan (0%)

Magenta (34%)

Yellow (45%)

Black (23%)



Cyan (23%)


Magenta (49%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4544, 28.7837, 17.9799 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 33.4544, 28.7837, 17.9799 by changing the saturation by 10% instead.


 33.4544, 28.7837,
17.9799


 33.4544, 28.7837,
17.9799


309.3212,
296.1930, 252.9900

 22.6357, 18.9173,
10.7663


 64.4343, 57.7332,
40.8165

 14.4439, 11.6105,
5.7977


 85.3261, 77.5851,
57.2766

 8.5138, 6.4791,
2.6557


 110.3063,
101.5343, 77.6560

 4.4800, 3.1385,
0.9210

 139.7404,
129.9651, 102.3731

 1.9771, 1.2045,
0.0000

173.9935,
163.2620, 131.8465

 0.6211, 0.0653,
0.0000

213.4311,

 0.0000, 0.0000,

201.8094, 166.4948

0.0000

258.4186,
245.9916, 206.7364

■ 33.4544, 28.7837,
17.9799

■ 33.4544, 28.7837,
17.9799

■ 30.7088, 24.7784,
12.4840

■ 36.7153, 33.4443,
24.8050

■ 28.4486, 21.3942,
8.2280

■ 40.5148, 38.7839,
33.0372

■ 26.6441, 18.6001,
5.1139


■ 44.8775, 44.8301,
42.7507


■ 25.2608, 16.3606,
3.0283


■ 49.8255, 51.6078,
54.0135


■ 24.2588, 14.6357,
1.8336

■ 55.3800, 59.1407,
66.8897

 23.8637, 13.9332,
1.4316

 61.5610, 67.4512,
81.4397

 68.3874, 76.5611,
97.7207

 74.2588, 85.8434,
107.2633

 76.5750, 90.4758,
108.0354

Harmonies

Analogous

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



35.8092, 28.7837, 26.0534



33.4544, 28.7837, 17.9799



29.5695, 28.7837, 14.1347

Triad

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



33.4544, 28.7837, 17.9799



20.3962, 28.7837, 25.5666



29.3662, 28.7837, 58.9919

Complementary

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



33.4544, 28.7837, 17.9799



31.2836, 37.4444, 57.8033

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.



25.2597, 28.7837, 58.7659



33.4544, 28.7837, 17.9799



20.3536, 28.7837, 37.2985

Square

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



33.4544, 28.7837, 17.9799



22.1742, 28.7837, 17.7013



22.0513, 28.7837, 50.0769



33.2927, 28.7837, 50.6334

Rectangle

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



33.4544, 28.7837, 17.9799



26.7692, 28.7837, 13.6760



22.0513, 28.7837, 50.0769



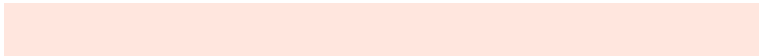
27.9555, 28.7837, 59.9729

Sweetspot

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



33.4551, 28.7851, 17.9805



82.7402, 83.1970, 80.6996



35.7677, 25.5171, 43.0847



17.3025, 17.2469, 16.3546



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.



33.4551, 28.7851, 17.9805



55.6533, 44.9208, 22.6596



40.6080, 43.0908, 20.3647



10.2733, 10.4780, 10.5429



15.3920, 9.0698, 0.9394



0.7220, 0.5058, 0.0596

Inverse Universe

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



31.2836, 37.4444, 57.8033



51.1691, 62.5080, 103.9761



24.1310, 23.1392, 55.4191



10.1484, 10.9881, 12.8709



13.1765, 16.1095, 35.9716



0.6213, 0.8000, 1.5715

Previews

White Background



This preview shows how the XYZ color 33.4544, 28.7837, 17.9799 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 33.4544, 28.7837, 17.9799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

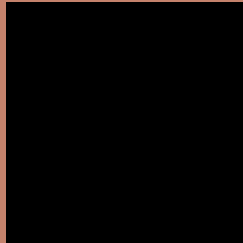
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.4544, 28.7837, 17.9799

Background



This preview shows how black text looks on a background with the XYZ color 33.4544, 28.7837, 17.9799.



This preview shows how white text looks on a background with the XYZ color 33.4544, 28.7837,

17.9799.

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

33.4544, 28.7837, 17.9799

Protanopia

27.0837, 28.8635, 20.3634

Deuteranopia

29.4352, 28.7954, 17.6423



Tritanopia

35.1935, 28.7050, 26.9783

Trichromacy



Original Color

33.4544, 28.7837, 17.9799

Protanomaly

29.0973, 28.5839, 19.3129

Deuteranomaly

30.7494, 28.6149, 17.8125

Tritanomaly

34.3812, 28.5554, 23.4383

Monochromacy



Original Color

33.4544, 28.7837, 17.9799

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.2756, 28.7425, 26.1952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4544, 28.7837, 17.9799 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(196, 130, 108)` looks like.

```
.text, #text, p{  
    color:rgb(196, 130, 108)  
}
```

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(196, 130, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 130, 108) }
```

Border

The CSS property to change the border of an element to XYZ 33.4544, 28.7837, 17.9799 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(196, 130, 108) }
```


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

```
.border{ border-color:rgb(196, 130, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 130, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 130, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 130, 108);  
box-shadow:4px 4px 4px 4px rgb(196, 130,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4544, 28.7837, 17.9799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 130, 108) }
```

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

```
.background{ background-color: rgb(196,  
130, 108) }
```

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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