

# Converting Colors

XYZ(33.4564, 27.0130, 16.7620)

Have a look what the booklet for  
XYZ(33.4564, 27.0130, 16.7620)  
contains.

<b>XYZ(33.4746, 27.1122, 16.8335)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(33.4746, 27.1122,  
16.8335)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C97969
RGB	201, 121, 105
RGB Percent	79%, 47%, 41%
CMY	0.2118, 0.5255, 0.5882
CMYK	0.00, 0.40, 0.48, 0.21
HSL	10°, 47%, 60%
HSV	10°, 48%, 79%
XYZ	33.4746, 27.1122, 16.8335
YIQ	143.0960, 52.8160, 11.9840

# Conversions

## Conversions Part 2

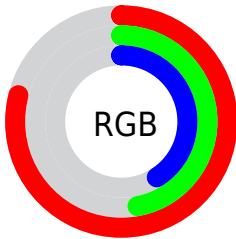
<b>Format</b>	<b>Color</b>
<b>RYB</b>	201, 124, 105
Decimal	13203817
CIELab	59.08, 29.49, 22.10
CIELCh	59, 36.851, 36.856
Yxy	27.1122, 0.4324, 0.3502
Android (android.graphics.Color)	4291393897 (0xFFC97969)
YUV	143.0960, -18.7813, 50.7818
Hunter-Lab	52.0694, 23.6335, 17.2807

# Details

The XYZ color **33.4746, 27.1122, 16.8335** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **33.7164, 41.9163, 61.5718**, and the grayscale version is **26.2053, 27.5701, 30.0238**.

A 20% lighter version of the original color is **62.3768, 53.9324, 38.5749**, and **14.5186, 10.7413, 5.3110** is the 20% darker color. If you saturate the color by 10%, you get **30.6993, 23.0242, 11.3998**, and if you desaturate by 10%, it is **36.8488, 32.0074, 23.6718**.

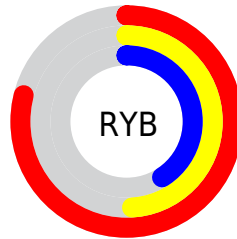
# Distribution



Red (79%)

Green (47%)

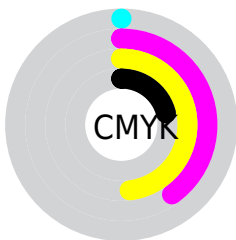
Blue (41%)



Red (79%)

Yellow (49%)

Blue (41%)

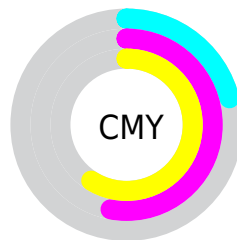


Cyan (0%)

Magenta (40%)

Yellow (48%)

Black (21%)



Cyan (21%)

Magenta (53%)


Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4746, 27.1122, 16.8335 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 33.4746, 27.1122, 16.8335 by changing the saturation by 10% instead.





 33.4746, 27.1122,  
16.8335


 33.4746, 27.1122,  
16.8335


309.4102,  
288.2000, 246.2224


 22.6512, 17.6575,  
9.9552


 64.4655, 55.0639,  
38.8260

 14.4555, 10.7044,  
5.2640


 85.3638, 74.3296,  
54.7772

 8.5219, 5.8684,  
2.3416


 110.3511, 97.6345,  
74.5898

 4.4853, 2.7652,  
0.7544

 139.7928,  
125.3629, 98.6824

 1.9802, 1.0104,  
0.0000

174.0541,  
157.8993, 127.4734

 0.6228, 0.0000,  
0.0000

213.5006,

 0.0000, 0.0000,

195.6280, 161.3813

0.0000

258.4975,  
238.9334, 200.8248

■ 33.4746, 27.1122,  
16.8335

■ 33.4746, 27.1122,  
16.8335

■ 30.6993, 23.0242,  
11.3998

■ 36.8488, 32.0074,  
23.6718

■ 28.4852, 19.6957,  
7.2712

■ 40.8526, 37.7459,  
32.0020

■ 26.7932, 17.0805,  
4.3373


■ 45.5170, 44.3664,  
41.9057


■ 25.5782, 15.1252,  
2.4686


■ 50.8703, 51.9044,  
53.4586


■ 24.7817, 13.7668,  
1.4804


■ 56.9391, 60.3929,  
66.7312

 24.6455, 13.5337,  
1.3133

 63.7487, 69.8637,  
81.7899

 71.3230, 80.3469,  
98.6978

 77.8966, 91.1559,  
108.0970

 77.8973, 91.1575,  
108.0973

# Harmonies

## Analogous

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



35.5351, 27.1122, 26.6121



33.4746, 27.1122, 16.8335



29.3866, 27.1122, 11.8767

# Triad

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



33.4746, 27.1122, 16.8335



18.4925, 27.1122, 20.6785



26.8346, 27.1122, 62.2942

# Complementary

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



33.4746, 27.1122, 16.8335



33.7164, 41.9163, 61.5718

# 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.



22.4618, 27.1122, 59.3018



33.4746, 27.1122, 16.8335



17.9799, 27.1122, 32.6336

# Square

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



33.4746, 27.1122, 16.8335



20.8415, 27.1122, 13.5936



19.3477, 27.1122, 47.3721



31.4185, 27.1122, 54.6381



# Rectangle

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



33.4746, 27.1122, 16.8335



26.2552, 27.1122, 10.8243



19.3477, 27.1122, 47.3721



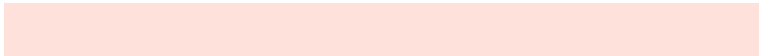
25.2895, 27.1122, 62.5286

# Sweetspot

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



33.4753, 27.1136, 16.8340



81.0591, 80.3770, 78.4671



37.8960, 26.0237, 48.9247



16.9350, 16.6186, 15.9031



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.



33.4753, 27.1136, 16.8340



52.5443, 39.3958, 19.4869



40.8252, 41.8135, 19.2840



10.7744, 10.9179, 11.1023



15.5420, 8.6011, 0.8410



0.7817, 0.4989, 0.0551

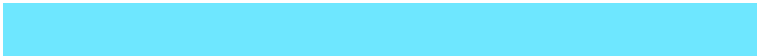


# Inverse Universe

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



33.7164, 41.9163, 61.5718



52.9479, 67.5345, 104.8526



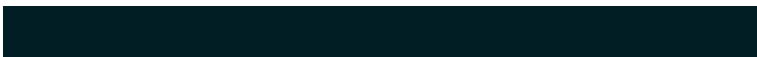
25.3142, 25.1119, 58.7711



10.7904, 11.7549, 13.6177



15.4318, 20.2575, 37.8411



0.7718, 1.0414, 1.8055



# Previews

## White Background



This preview shows how the XYZ color 33.4746, 27.1122, 16.8335 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

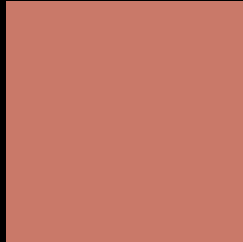
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.4746, 27.1122, 16.8335 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

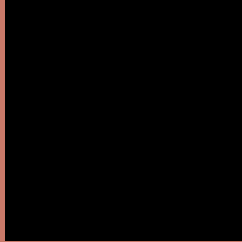
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 33.4746, 27.1122, 16.8335**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.4746, 27.1122, 16.8335.



This preview shows how white text looks on a background with the XYZ color 33.4746, 27.1122,



# 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

33.4746, 27.1122, 16.8335

### Protanopia

25.5300, 27.1631, 20.1171

### Deuteranopia

27.7061, 27.2856, 16.3768



## Tritanopia

34.9378, 27.1857, 23.4846

# Trichromacy



## Original Color

33.4746, 27.1122, 16.8335

## Protanomaly

27.7565, 26.6329, 18.7167

## Deuteranomaly

29.6205, 27.0356, 16.4892

## Tritanomaly

34.2837, 27.0821, 20.8732

# Monochromacy



## Original Color

33.4746, 27.1122, 16.8335

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

27.9363, 26.8054, 24.4704

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.4746, 27.1122, 16.8335 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(201, 121, 105)` looks like.

```
.text, #text, p{  
    color:rgb(201, 121, 105)  
}
```

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(201, 121, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 121, 105) }
```

## Border

The CSS property to change the border of an element to XYZ 33.4746, 27.1122, 16.8335 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(201, 121, 105) }
```



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

```
.border{ border-color:rgb(201, 121, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 121, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 121, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 121, 105);  
box-shadow:4px 4px 4px 4px rgb(201, 121,  
105) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.4746, 27.1122, 16.8335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 121, 105) }
```

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

```
.background{ background-color: rgb(201,  
121, 105) }
```

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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