

# Converting Colors

XYZ(33.3188, 27.3594, 11.7281)

Have a look what the booklet for  
XYZ(33.3188, 27.3594, 11.7281)  
contains.

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# Color

**XYZ(33.4227, 27.3810,  
11.7071)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC7A53
RGB	204, 122, 83
RGB Percent	80%, 48%, 33%
CMY	0.2000, 0.5215, 0.6745
CMYK	0.00, 0.40, 0.59, 0.20
HSL	19°, 54%, 56%
HSV	19°, 59%, 80%
XYZ	33.4227, 27.3810, 11.7071
YIQ	142.0720, 61.3910, 5.2550

# Conversions

## Conversions Part 2

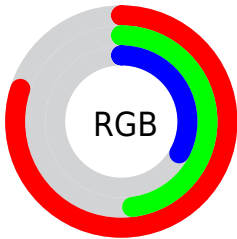
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 141, 83
Decimal	13400659
CIELab	59.33, 28.24, 34.77
CIElCh	59, 44.791, 50.918
Yxy	27.3810, 0.4609, 0.3776
Android (android.graphics.Color)	4291590739 (0xFFCC7A53)
YUV	142.0720, -29.1225, 54.3109
Hunter-Lab	52.3269, 22.4412, 23.3638

# Details

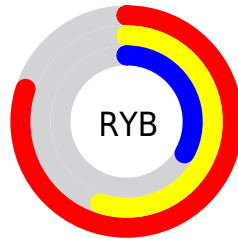
The XYZ color **33.4227, 27.3810, 11.7071** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **27.9206, 33.1070, 62.0451**, and the grayscale version is **25.8350, 27.1804, 29.5995**.

A 20% lighter version of the original color is **60.8036, 53.6134, 29.3340**, and **14.4899, 10.8731, 3.0041** is the 20% darker color. If you saturate the color by 10%, you get **31.1696, 23.9553, 7.6255**, and if you desaturate by 10%, it is **36.1503, 31.3851, 17.0904**.

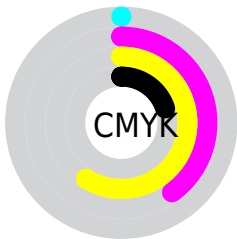
# Distribution



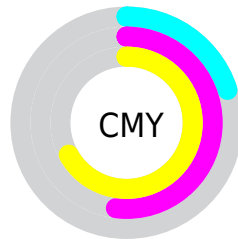
- Red (80%)
- Green (48%)
- Blue (33%)



- Red (80%)
- Yellow (55%)
- Blue (33%)



- Cyan (0%)
- Magenta (40%)
- Yellow (59%)
- Black (20%)




- Cyan (20%)
- Magenta (52%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4227, 27.3810, 11.7071 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 33.4227, 27.3810, 11.7071 by changing the saturation by 10% instead.





 33.4227, 27.3810,  
11.7071


 33.4227, 27.3810,  
11.7071


309.1816,  
289.4972, 213.3651


 22.6112, 17.8596,  
6.4245

 64.3852, 55.4946,  
29.6169

 14.4258, 10.8492,  
3.0319


 85.2669, 74.8557,  
43.0811


 8.5011, 5.9655,  
1.1110


 110.2361, 98.2653,  
60.1096

 4.4717, 2.8241,  
0.0000

 139.6581,  
126.1080, 81.1209

 1.9723, 1.0406,  
0.0000

 173.8983,  
158.7682, 106.5336

 0.6183, 0.0000,  
0.0000

213.3221,

 0.0000, 0.0000,

196.6301, 136.7661

0.0000

258.2947,  
240.0783, 172.2371

■ 33.4227, 27.3810,  
11.7071

■ 33.4227, 27.3810,  
11.7071

■ 31.1696, 23.9553,  
7.6255

■ 36.1503, 31.3851,  
17.0904

■ 29.3579, 21.0752,  
4.7300

■ 39.3784, 35.9899,  
23.8742

■ 27.9526, 18.7104,  
2.8873

■ 43.1333, 41.2214,  
32.1494

■ 26.8994, 16.8204,  
1.8691

■ 47.4387, 47.1029,  
41.9987

■ 26.8360, 16.7058,  
1.8101

■ 52.3169, 53.6564,  
53.4988

■ 57.7888, 60.9028,  
66.7213

■ 63.8742, 68.8620,  
81.7335

■ 70.5920, 77.5533,  
98.5992

■ 76.0356, 86.2251,  
107.2433

# Harmonies

## Analogous

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



37.4378, 27.3810, 20.1006



33.4227, 27.3810, 11.7071



27.7623, 27.3810, 8.5493

# Triad

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



33.4227, 27.3810, 11.7071



16.7722, 27.3810, 25.2044



30.0628, 27.3810, 68.9060

# Complementary

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



33.4227, 27.3810, 11.7071



27.9206, 33.1070, 62.0451

# 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.



24.3614, 27.3810, 71.8241



33.4227, 27.3810, 11.7071



17.2048, 27.3810, 42.2381

# Square

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



33.4227, 27.3810, 11.7071



18.5275, 27.3810, 14.2884



19.8080, 27.3810, 60.7400



35.3128, 27.3810, 53.7946



# Rectangle

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



33.4227, 27.3810, 11.7071



24.0377, 27.3810, 8.6242



19.8080, 27.3810, 60.7400



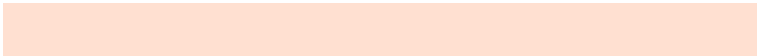
28.1186, 27.3810, 71.5161

# Sweetspot

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



33.4234, 27.3824, 11.7076



79.3888, 79.1240, 71.4747



34.8490, 21.7656, 38.2887



16.5154, 16.2892, 14.1912



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.



33.4234, 27.3824, 11.7076



50.7681, 38.3413, 11.1946



43.1535, 46.8426, 14.9510



11.5027, 11.7943, 11.7497



16.9664, 10.6657, 1.1645



0.9441, 0.6879, 0.0830



# Inverse Universe

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



27.9206, 33.1070, 62.0451



40.7541, 48.4417, 101.8100



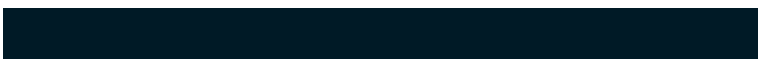
19.5368, 16.3394, 59.2505



11.2265, 12.0935, 14.3130



12.6895, 14.4029, 38.0675



0.7215, 0.8768, 1.9862



# Previews

## White Background



This preview shows how the XYZ color 33.4227, 27.3810, 11.7071 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 33.4227, 27.3810, 11.7071 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 33.4227, 27.3810, 11.7071**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.4227, 27.3810, 11.7071.



This preview shows how white text looks on a background with the XYZ color 33.4227, 27.3810,



# 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

33.4227, 27.3810, 11.7071

### Protanopia

25.4211, 27.4682, 13.8596

### Deuteranopia

28.0728, 27.5845, 11.4342



## Tritanopia

35.7951, 27.4686, 22.8174

# Trichromacy



## Original Color

33.4227, 27.3810, 11.7071

## Protanomaly

27.6590, 26.9168, 12.9702

## Deuteranomaly

29.9862, 27.5357, 11.5191

## Tritanomaly

34.8649, 27.4413, 18.2110

# Monochromacy



## Original Color

33.4227, 27.3810, 11.7071

## Achromatopsia

25.7108, 27.0498, 29.4572

## Achromatomaly

27.6322, 26.7078, 21.7879

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.4227, 27.3810, 11.7071 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(204, 122, 83)` looks like.

```
.text, #text, p{  
    color:rgb(204, 122, 83)  
}
```

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(204, 122, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 122, 83) }
```

## Border

The CSS property to change the border of an element to XYZ 33.4227, 27.3810, 11.7071 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(204, 122, 83) }
```



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

```
.border{ border-color:rgb(204, 122, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 122, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 122, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 122, 83);  
box-shadow:4px 4px 4px 4px rgb(204, 122,  
83) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.4227, 27.3810, 11.7071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 122, 83) }
```

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

```
.background{ background-color: rgb(204,  
122, 83) }
```

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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