

# Converting Colors

XYZ(33.0843, 29.2481, 14.2839)

Have a look what the booklet for  
XYZ(33.0843, 29.2481, 14.2839)  
contains.

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# Color

**XYZ(33.1283, 29.3011,  
14.2656)**

# Conversions

Conversions Part 1	
Format	Color
Hex	C4855D
RGB	196, 133, 93
RGB Percent	77%, 52%, 36%
CMY	0.2314, 0.4784, 0.6353
CMYK	0.00, 0.32, 0.53, 0.23
HSL	23°, 47%, 57%
HSV	23°, 53%, 77%
XYZ	33.1283, 29.3011, 14.2656
YIQ	147.2770, 50.3880, 0.9160

# Conversions

## Conversions Part 2

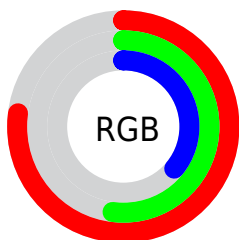
Format	Color
<a href="#">RYB</a>	<a href="#">196, 158, 93</a>
Decimal	<a href="#">12879197</a>
CIELab	<a href="#">61.05, 19.78, 31.26</a>
CIELCh	<a href="#">61, 36.991, 57.676</a>
Yxy	<a href="#">29.3011, 0.4319, 0.3820</a>
Android (android.graphics.Color)	<a href="#">4291069277</a> (0xFFC4855D)
YUV	<a href="#">147.2770, -26.7586, 42.7301</a>
Hunter-Lab	<a href="#">54.1305, 14.5151, 22.2660</a>

# Details

The XYZ color **33.1283, 29.3011, 14.2656** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **26.3660, 30.0885, 56.6425**, and the grayscale version is **27.9412, 29.3964, 32.0126**.

A 20% lighter version of the original color is **63.8329, 58.3914, 34.2919**, and **14.2339, 11.8727, 4.1262** is the 20% darker color. If you saturate the color by 10%, you get **30.8204, 25.9011, 9.7484**, and if you desaturate by 10%, it is **35.8475, 33.1676, 20.0181**.

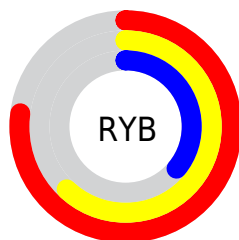
# Distribution



Red (77%)

Green (52%)

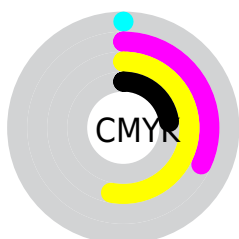
Blue (36%)



Red (77%)

Yellow (62%)

Blue (36%)

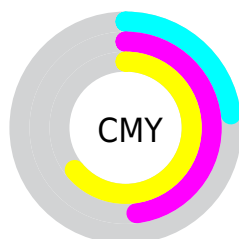


Cyan (0%)

Magenta (32%)

Yellow (53%)

Black (23%)



Cyan (23%)

Magenta (48%)


Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1283, 29.3011, 14.2656 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 33.1283, 29.3011, 14.2656 by changing the saturation by 10% instead.





 33.1283, 29.3011,  
14.2656


 33.1283, 29.3011,  
14.2656


307.8822,  
298.6330, 230.3625

 22.3845, 19.3087,  
8.1648


 63.9291, 58.5551,  
34.2834

 14.2578, 11.8936,  
4.1113


 84.7168, 78.5856,  
49.0375

 8.3831, 6.6712,  
1.6866


 109.5832,  
102.7308, 67.5131

 4.3949, 3.2574,  
0.3515

 138.8935,  
131.3753, 90.1288

 1.9279, 1.2675,  
0.0000

173.0133,  
164.9033, 117.3030

 0.5930, 0.1158,  
0.0000


212.3077,


 0.0000, 0.0000,


203.6994, 149.4543

0.0000


257.1423,  
248.1478, 187.0013

 33.1283, 29.3011,  
14.2656


 33.1283, 29.3011,  
14.2656


 30.8204, 25.9011,  
9.7484


 35.8475, 33.1676,  
20.0181


 28.8980, 22.9439,  
6.3712


 38.9972, 37.5145,  
27.0878


 27.3352, 20.4096,  
4.0274

 42.5982, 42.3602,  
35.5518

 26.1012, 18.2748,  
2.5889

 46.6687, 47.7209,  
45.4804

 25.3580, 16.9218,  
1.9297

 51.2264, 53.6121,  
56.9394

■ 56.2876, 60.0483,  
69.9902

■ 61.8679, 67.0437,  
84.6913

■ 67.9823, 74.6118,  
101.0979

■ 72.2386, 81.8031,  
106.5899

# Harmonies

## Analogous

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



36.9312, 29.3011, 21.0567



33.1283, 29.3011, 14.2656



28.2289, 29.3011, 11.9956

# Triad

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



33.1283, 29.3011, 14.2656



19.5476, 29.3011, 30.8352



32.3998, 29.3011, 61.8067

# Complementary

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



33.1283, 29.3011, 14.2656



26.3660, 30.0885, 56.6425

# 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.



27.4741, 29.3011, 66.6317



33.1283, 29.3011, 14.2656



20.3944, 29.3011, 45.9534

# Square

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



33.1283, 29.3011, 14.2656



20.7026, 29.3011, 19.6691



23.1641, 29.3011, 60.1420



36.4775, 29.3011, 48.3828



# Rectangle

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



33.1283, 29.3011, 14.2656



25.1186, 29.3011, 12.6513



23.1641, 29.3011, 60.1420



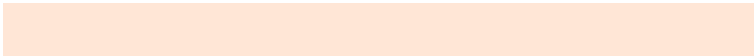
30.7721, 29.3011, 64.6320

# Sweetspot

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



33.1290, 29.3026, 14.2662



81.7129, 82.7447, 75.4169



32.7241, 21.9826, 34.2009



17.1590, 17.2751, 15.3345



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.



33.1290, 29.3026, 14.2662



55.2900, 46.1021, 16.6567



41.8778, 46.8002, 17.1824



10.3868, 10.7051, 10.5807



16.3717, 11.0291, 1.2659



0.7743, 0.6105, 0.0770



# Inverse Universe

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



26.3660, 30.0885, 56.6425



41.6849, 47.5838, 101.5953



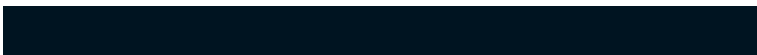
19.5316, 16.4196, 54.3644



10.0295, 10.7502, 12.8312



10.7938, 11.3441, 35.1773



0.5317, 0.6207, 1.5417



# Previews

## White Background



This preview shows how the XYZ color 33.1283, 29.3011, 14.2656 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

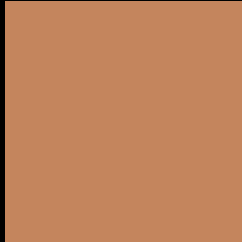
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 33.1283, 29.3011, 14.2656 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

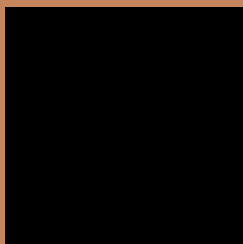
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 33.1283, 29.3011, 14.2656**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.1283, 29.3011, 14.2656.



This preview shows how white text looks on a background with the XYZ color 33.1283, 29.3011,



# 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

33.1283, 29.3011, 14.2656

### Protanopia

27.3392, 29.5542, 16.0680

### Deuteranopia

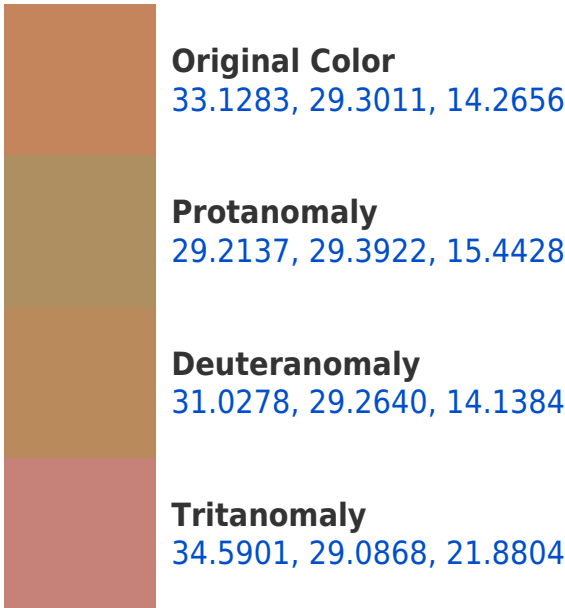
30.0036, 29.3888, 13.9888



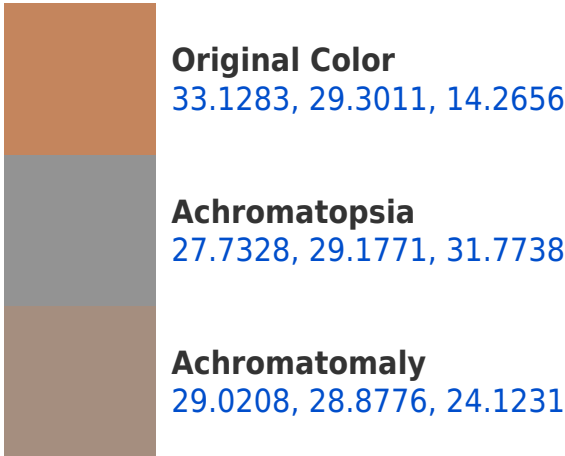
## Tritanopia

35.6579, 29.1270, 27.4096

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.1283, 29.3011, 14.2656 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, 133, 93) looks like.

```
.text, #text, p{  
    color:rgb(196, 133, 93)  
}
```

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, 133, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 133, 93) }
```

## Border

The CSS property to change the border of an element to XYZ 33.1283, 29.3011, 14.2656 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, 133, 93) }
```



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

```
.border{ border-color:rgb(196, 133, 93) }
```

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

Here you see how a box with a 4 pixel rgb(196, 133, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 133, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 133, 93);  
box-shadow:4px 4px 4px 4px rgb(196, 133,  
93) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.1283, 29.3011, 14.2656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 133, 93) }
```

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

```
.background{ background-color: rgb(196,  
133, 93) }
```

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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