

Converting Colors

XYZ(33.0028, 29.0457, 11.6912)

Have a look what the booklet for
XYZ(33.0028, 29.0457, 11.6912)
contains.

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Color

**XYZ(33.0252, 29.1024,
11.6613)**

Conversions

Conversions Part 1

Format	Color
Hex	C68451
RGB	198, 132, 81
RGB Percent	78%, 52%, 32%
CMY	0.2235, 0.4823, 0.6823
CMYK	0.00, 0.33, 0.59, 0.22
HSL	26°, 51%, 55%
HSV	26°, 59%, 78%
XYZ	33.0252, 29.1024, 11.6613
YIQ	145.9200, 55.7070, -1.8690

Conversions

Conversions Part 2

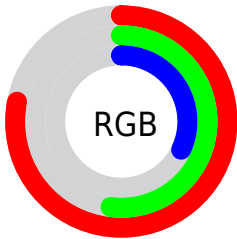
Format	Color
R_{YB}	198, 171, 81
Decimal	13010001
CIE Lab	60.87, 20.17, 37.56
CIE LCh	61, 42.631, 61.767
Yxy	29.1024, 0.4476, 0.3944
Android (android.graphics.Color)	4291200081 (0xFFC68451)
YUV	145.9200, -32.0056, 45.6742
Hunter-Lab	53.9466, 14.8680, 24.9463

Details

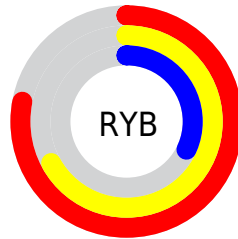
The XYZ color **33.0252, 29.1024, 11.6613** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **24.0195, 26.6927, 57.3121**, and the grayscale version is **27.4005, 28.8275, 31.3932**.

A 20% lighter version of the original color is **62.7538, 57.6239, 29.6448**, and **14.1212, 11.7255, 3.0324** is the 20% darker color. If you saturate the color by 10%, you get **30.9540, 25.9800, 7.8266**, and if you desaturate by 10%, it is **35.4765, 32.6386, 16.6911**.

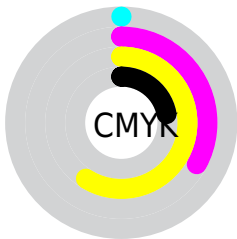
Distribution



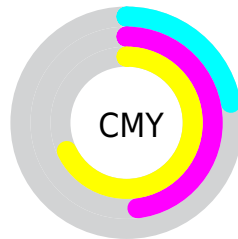
- Red (78%)
- Green (52%)
- Blue (32%)



- Red (78%)
- Yellow (67%)
- Blue (32%)



- Cyan (0%)
- Magenta (33%)
- Yellow (59%)
- Black (22%)





- Cyan (22%)
- Magenta (48%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0252, 29.1024, 11.6613 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 33.0252, 29.1024, 11.6613 by changing the saturation by 10% instead.


 33.0252, 29.1024,
11.6613


 33.0252, 29.1024,
11.6613


307.4262,
297.6978, 213.0476


 22.3051, 19.1583,
6.3938


 63.7693, 58.2397,
29.5318

 14.1991, 11.7847,
3.0133


 84.5240, 78.2018,
42.9719


 8.3419, 6.5973,
1.1014


 109.3542,
102.2719, 59.9732

 4.3681, 3.2115,
0.0000

 138.6253,
130.8345, 80.9543

 1.9124, 1.2431,
0.0000

 172.7028,
164.2740, 106.3338

 0.5840, 0.0965,
0.0000

211.9518,

 0.0000, 0.0000,

202.9748, 136.5302

0.0000

256.7379,
247.3213, 171.9619

■ 33.0252, 29.1024,
11.6613

■ 33.0252, 29.1024,
11.6613

■ 30.9540, 25.9800,
7.8266

■ 35.4765, 32.6386,
16.6911

■ 29.2362, 23.2491,
5.0814

■ 38.3276, 36.6008,
23.0059

■ 27.8443, 20.8914,
3.3040

■ 41.5994, 41.0059,
30.6889

■ 26.7336, 18.8799,
2.2869

■ 45.3103, 45.8685,
39.8156

■ 26.6417, 18.7118,
2.2076

■ 49.4776, 51.2024,
50.4561

■ 54.1178, 57.0208,
62.6758

■ 59.2463, 63.3362,
76.5362

■ 64.8777, 70.1608,
92.0956

■ 70.3421, 77.2328,
105.8077

Harmonies

Analogous

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



37.7673, 29.1024, 18.1618



33.0252, 29.1024, 11.6613



27.3330, 29.1024, 9.8979

Triad

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



33.0252, 29.1024, 11.6613



18.3030, 29.1024, 32.6399



33.6712, 29.1024, 65.4410

Complementary

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



33.0252, 29.1024, 11.6613



24.0195, 26.6927, 57.3121

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.



27.9915, 29.1024, 73.1287



33.0252, 29.1024, 11.6613



19.5405, 29.1024, 50.6653

Square

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



33.0252, 29.1024, 11.6613



19.2805, 29.1024, 19.3123



22.9115, 29.1024, 66.9822



38.1739, 29.1024, 48.4647

Rectangle

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



33.0252, 29.1024, 11.6613



23.8876, 29.1024, 10.9287



22.9115, 29.1024, 66.9822



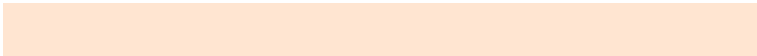
31.8121, 29.1024, 69.4115

Sweetspot

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



33.0259, 29.1039, 11.6619



80.8107, 81.9677, 71.9487



31.5212, 20.0069, 29.9279



16.8595, 16.9774, 14.3059



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.



33.0259, 29.1039, 11.6619



53.8454, 44.4958, 12.2203



43.2306, 49.5133, 15.0634



11.0079, 11.3849, 11.1801



17.4077, 12.3326, 1.4629



0.8960, 0.7275, 0.0932

Inverse Universe

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



24.0195, 26.6927, 57.3121



36.4099, 39.7533, 100.3619



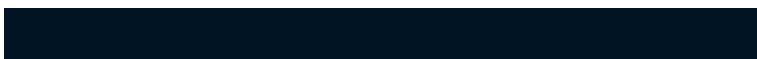
17.1424, 12.9384, 55.0197



10.5447, 11.2635, 13.5358



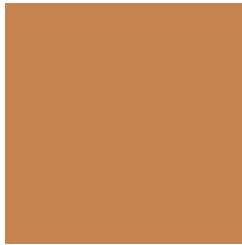
10.4607, 10.3153, 36.1841



0.5665, 0.6307, 1.7370

Previews

White Background



This preview shows how the XYZ color 33.0252, 29.1024, 11.6613 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 33.0252, 29.1024, 11.6613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

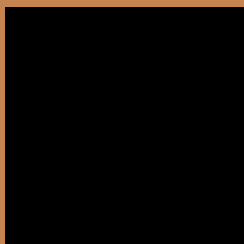
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.0252, 29.1024, 11.6613

Background



This preview shows how black text looks on a background with the XYZ color 33.0252, 29.1024, 11.6613.



This preview shows how white text looks on a background with the XYZ color 33.0252, 29.1024,

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

33.0252, 29.1024, 11.6613

Protanopia

26.8114, 29.1164, 13.0110

Deuteranopia

29.6118, 29.0240, 11.4386



Tritanopia

36.0639, 28.9731, 26.6133

Trichromacy



Original Color

33.0252, 29.1024, 11.6613

Protanomaly

28.7288, 28.9848, 12.4680

Deuteranomaly

30.8871, 29.0353, 11.5659

Tritanomaly

34.9011, 29.0937, 19.9958

Monochromacy



Original Color

33.0252, 29.1024, 11.6613

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.5548, 28.4542, 22.3996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0252, 29.1024, 11.6613 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, 132, 81)` looks like.

```
.text, #text, p{  
    color:rgb(198, 132, 81)  
}
```

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, 132, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 132, 81) }
```

Border

The CSS property to change the border of an element to XYZ 33.0252, 29.1024, 11.6613 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, 132, 81) }
```


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

```
.border{ border-color:rgb(198, 132, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 132, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 132, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 132, 81);  
box-shadow:4px 4px 4px 4px rgb(198, 132,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0252, 29.1024, 11.6613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 132, 81) }
```

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

```
.background{ background-color: rgb(198,  
132, 81) }
```

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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