

Converting Colors

XYZ(32.9268, 29.5798, 12.4668)

Have a look what the booklet for
XYZ(32.9268, 29.5798, 12.4668)
contains.

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Color

**XYZ(33.0686, 29.7196,
12.5879)**

Conversions

Conversions Part 1

Format	Color
Hex	C48755
RGB	196, 135, 85
RGB Percent	77%, 53%, 33%
CMY	0.2314, 0.4706, 0.6667
CMYK	0.00, 0.31, 0.57, 0.23
HSL	27°, 48%, 55%
HSV	27°, 57%, 77%
XYZ	33.0686, 29.7196, 12.5879
YIQ	147.5390, 52.4060, -2.6180

Conversions

Conversions Part 2

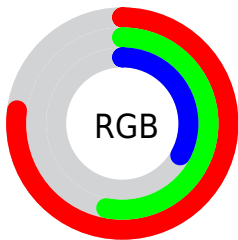
Format	Color
RYB	196, 176, 85
Decimal	12879701
CIELab	61.41, 17.99, 36.04
CIELCh	61, 40.281, 63.466
Yxy	29.7196, 0.4387, 0.3943
Android (android.graphics.Color)	4291069781 (0xFFC48755)
YUV	147.5390, -30.8317, 42.5003
Hunter-Lab	54.5157, 12.8736, 24.4707

Details

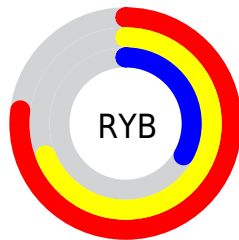
The XYZ color **33.0686, 29.7196, 12.5879** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **23.9884, 26.4733, 56.0698**, and the grayscale version is **28.0660, 29.5276, 32.1556**.

A 20% lighter version of the original color is **63.6672, 59.0040, 31.3258**, and **14.2458, 12.1259, 3.4234** is the 20% darker color. If you saturate the color by 10%, you get **30.9678, 26.5963, 8.5637**, and if you desaturate by 10%, it is **35.5385, 33.2361, 17.7996**.

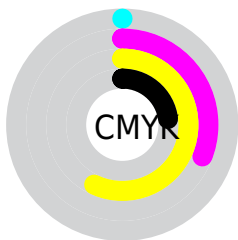
Distribution



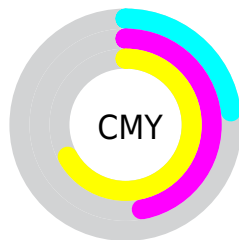
- Red (77%)
- Green (53%)
- Blue (33%)



- Red (77%)
- Yellow (69%)
- Blue (33%)



- Cyan (0%)
- Magenta (31%)
- Yellow (57%)
- Black (23%)





- Cyan (23%)
- Magenta (47%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0686, 29.7196, 12.5879 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 33.0686, 29.7196, 12.5879 by changing the saturation by 10% instead.


 33.0686, 29.7196,
12.5879


 33.0686, 29.7196,
12.5879


307.6183,
300.5953, 219.3737

 22.3385, 19.6259,
7.0180


 63.8366, 59.2185,
31.2417


 14.2238, 12.1234,
3.3948


 84.6052, 79.3924,
45.1626


 8.3592, 6.8278,
1.2996

 109.4506,
103.6951, 62.7044

 4.3794, 3.3546,
0.0614

 138.7383,
132.5111, 84.2855

 1.9189, 1.3195,
0.0000

 172.8335,
166.2247, 110.3244

 0.5878, 0.1563,
0.0000

212.1017,

 0.0000, 0.0000,

205.2203, 141.2397

0.0000

256.9081,
249.8824, 177.4500

■ 33.0686, 29.7196,
12.5879

■ 33.0686, 29.7196,
12.5879

■ 30.9678, 26.5963,
8.5637

■ 35.5385, 33.2361,
17.7996

■ 29.2112, 23.8457,
5.6274

■ 38.3960, 37.1567,
24.2839

■ 27.7735, 21.4510,
3.6658

■ 41.6604, 41.4967,
32.1200

■ 26.6216, 19.3913,
2.5294

■ 45.3494, 46.2697,
41.3800

■ 26.2789, 18.7639,
2.2367

■ 49.4790, 51.4883,
52.1309

■ 54.0649, 57.1646,
64.4355

■ 59.1215, 63.3101,
78.3528

■ 64.6628, 69.9361,
93.9389

■ 69.6540, 76.6341,
105.7284

Harmonies

Analogous

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



37.6700, 29.7196, 18.7430



33.0686, 29.7196, 12.5879



27.6336, 29.7196, 11.0401

Triad

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



33.0686, 29.7196, 12.5879



19.2172, 29.7196, 34.1633



34.2728, 29.7196, 63.4705

Complementary

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



33.0686, 29.7196, 12.5879



23.9884, 26.4733, 56.0698

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.



28.8706, 29.7196, 71.2989



33.0686, 29.7196, 12.5879



20.5441, 29.7196, 51.3538

Square

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



33.0686, 29.7196, 12.5879



20.0479, 29.7196, 20.9564



23.9195, 29.7196, 66.2864



38.4243, 29.7196, 47.2920

Rectangle

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



33.0686, 29.7196, 12.5879



24.3666, 29.7196, 12.2379



23.9195, 29.7196, 66.2864



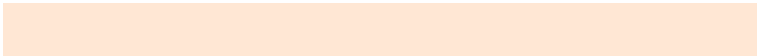
32.5202, 29.7196, 67.3616

Sweetspot

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



33.0693, 29.7211, 12.5885



81.7056, 83.2479, 73.8182



31.2057, 20.3098, 29.4902



17.1850, 17.4292, 15.0288



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.



33.0693, 29.7211, 12.5885



55.2694, 46.9063, 14.0439



42.9156, 49.4136, 15.8706



10.4385, 10.8084, 10.5979



16.9690, 12.2237, 1.4650



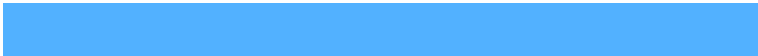
0.8019, 0.6656, 0.0862

Inverse Universe

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



23.9884, 26.4733, 56.0698



37.1943, 40.3946, 100.4443



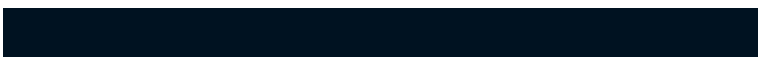
17.4131, 13.3226, 53.8780



9.9768, 10.6448, 12.8137



9.9148, 9.5861, 34.8843



0.4964, 0.5503, 1.5299

Previews

White Background



This preview shows how the XYZ color 33.0686, 29.7196, 12.5879 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 33.0686, 29.7196, 12.5879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

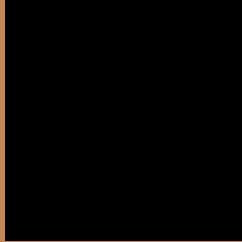
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.0686, 29.7196, 12.5879

Background



This preview shows how black text looks on a background with the XYZ color 33.0686, 29.7196, 12.5879.



This preview shows how white text looks on a background with the XYZ color 33.0686, 29.7196,

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

33.0686, 29.7196, 12.5879

Protanopia

27.4932, 29.9145, 13.9979

Deuteranopia

30.3293, 29.8099, 12.5429



Tritanopia

36.2571, 29.8149, 27.8886

Trichromacy



Original Color

33.0686, 29.7196, 12.5879

Protanomaly

29.1903, 29.6498, 13.4170

Deuteranomaly

31.0826, 29.5444, 12.4519

Tritanomaly

34.9993, 29.7066, 21.3421

Monochromacy



Original Color

33.0686, 29.7196, 12.5879

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.0412, 29.1249, 23.4931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0686, 29.7196, 12.5879 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, 135, 85)` looks like.

```
.text, #text, p{  
    color:rgb(196, 135, 85)  
}
```

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, 135, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 135, 85) }
```

Border

The CSS property to change the border of an element to XYZ 33.0686, 29.7196, 12.5879 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, 135, 85) }
```


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

```
.border{ border-color:rgb(196, 135, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 135, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 135, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 135, 85);  
box-shadow:4px 4px 4px 4px rgb(196, 135,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0686, 29.7196, 12.5879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 135, 85) }
```

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

```
.background{ background-color: rgb(196,  
135, 85) }
```

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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