

Converting Colors

XYZ(30.3346, 33.0248, 13.4146)

Have a look what the booklet for
XYZ(30.3346, 33.0248, 13.4146)
contains.

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Color

**XYZ(30.3227, 33.0907,
13.3833)**

Conversions

Conversions Part 1

Format	Color
Hex	AB9C55
RGB	171, 156, 85
RGB Percent	67%, 61%, 33%
CMY	0.3294, 0.3882, 0.6667
CMYK	0.00, 0.09, 0.50, 0.33
HSL	50°, 34%, 50%
HSV	50°, 50%, 67%
XYZ	30.3227, 33.0907, 13.3833
YIQ	152.3910, 31.7310, -18.9010

Conversions

Conversions Part 2

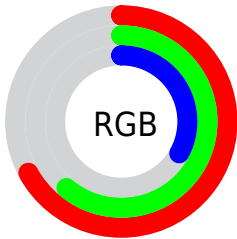
Format	Color
RYB	103, 171, 85
Decimal	11246677
CIELab	64.23, -4.19, 38.89
CIELCh	64, 39.119, 96.147
Yxy	33.0907, 0.3948, 0.4309
Android (android.graphics.Color)	4289436757 (0xFFAB9C55)
YUV	152.3910, -33.2238, 16.3201
Hunter-Lab	57.5245, -6.5758, 26.4731

Details

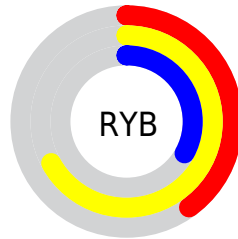
The XYZ color **30.3227, 33.0907, 13.3833** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.6540, 13.9854, 40.4023**, and the grayscale version is **30.1444, 31.7142, 34.5368**.

A 20% lighter version of the original color is **59.4854, 64.3647, 32.5810**, and **12.7061, 14.0124, 3.7041** is the 20% darker color. If you saturate the color by 10%, you get **29.2299, 31.8640, 10.0630**, and if you desaturate by 10%, it is **31.5936, 34.4107, 17.5737**.

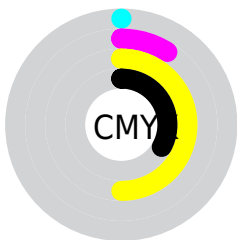
Distribution



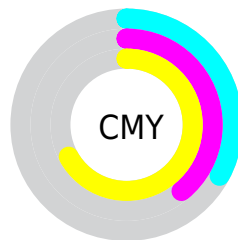
- Red (67%)
- Green (61%)
- Blue (33%)



- Red (40%)
- Yellow (67%)
- Blue (33%)



- Cyan (0%)
- Magenta (9%)
- Yellow (50%)
- Black (33%)



- Cyan (33%)
- Magenta (39%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3227, 33.0907, 13.3833 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 30.3227, 33.0907, 13.3833 by changing the saturation by 10% instead.

■ 30.3227, 33.0907,
13.3833

■ 30.3227, 33.0907,
13.3833

295.2887,
316.0582, 224.6532

■ 20.2329, 22.1959,
7.5592

■ 59.5553, 64.5171,
32.6919

■ 12.6737, 14.0009,
3.7305

■ 79.4288, 85.8175,
47.0135

■ 7.2797, 8.1213,
1.4787

■ 103.2943,
111.3553, 65.0047

■ 3.6855, 4.1727,
0.2020

■ 131.5171,
141.5148, 87.0840

■ 1.5258, 1.7706,
0.0000

■ 164.4626,
176.6805, 113.6700

■ 0.3433, 0.4688,
0.0000

202.4961,

■ 0.0000, 0.0000,

217.2367, 145.1811

0.0000

245.9830,
263.5678, 182.0360

■ 30.3227, 33.0907,
13.3833

■ 30.3227, 33.0907,
13.3833

■ 29.2299, 31.8640,
10.0630

■ 31.5936, 34.4107,
17.5737

■ 28.3006, 30.7210,
7.5473

■ 33.0511, 35.8240,
22.6892

■ 27.5219, 29.6576,
5.7649

■ 34.7059, 37.3361,
28.7826

■ 26.8777, 28.6672,
4.6309

■ 36.5674, 38.9509,
35.9023

■ 26.3464, 27.7617,
3.9699

■ 38.6442, 40.6721,
44.0933

■ 40.9444, 42.5029,
53.3981

■ 43.4756, 44.4466,
63.8567

■ 46.2453, 46.5063,
75.5072

■ 49.2603, 48.6848,
88.3860

Harmonies

Analogous

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



35.9682, 33.0907, 14.6815



30.3227, 33.0907, 13.3833



25.5669, 33.0907, 16.5548

Triad

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



30.3227, 33.0907, 13.3833



23.5965, 33.0907, 57.2345



42.2576, 33.0907, 49.8585

Complementary

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



30.3227, 33.0907, 13.3833



15.6540, 13.9854, 40.4023

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.



38.1766, 33.0907, 66.7781



30.3227, 33.0907, 13.3833



27.3301, 33.0907, 71.8392

Square

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



30.3227, 33.0907, 13.3833



21.9888, 33.0907, 39.4032



32.6084, 33.0907, 75.7663



43.3014, 33.0907, 32.8553

Rectangle

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



30.3227, 33.0907, 13.3833



23.3948, 33.0907, 21.5441



32.6084, 33.0907, 75.7663



41.1739, 33.0907, 55.8809

Sweetspot

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



30.3235, 33.0922, 13.3840



63.7853, 68.2976, 57.7221



22.3808, 16.0902, 14.1786



14.0739, 15.0995, 12.2988



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.3235, 33.0922, 13.3840



52.2113, 56.9043, 17.6258



27.6636, 35.6899, 14.0256



8.5421, 9.0890, 8.5175



19.8955, 20.9965, 3.0041



0.5842, 0.6456, 0.0938

Inverse Universe

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



15.6540, 13.9854, 40.4023



23.0483, 18.9542, 71.4456



17.3113, 12.8977, 40.1050



7.6876, 7.9746, 10.0868



5.9159, 2.9657, 29.3051



0.1976, 0.1485, 0.8262

Previews

White Background



This preview shows how the XYZ color 30.3227, 33.0907, 13.3833 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.3227, 33.0907, 13.3833 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 ✓ Pass

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

XYZ 30.3227, 33.0907, 13.3833

Background



This preview shows how black text looks on a background with the XYZ color 30.3227, 33.0907, 13.3833.



This preview shows how white text looks on a background with the XYZ color 30.3227, 33.0907,

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

30.3227, 33.0907, 13.3833

Protanopia

30.3227, 33.0907, 13.3833

Deuteranopia

33.7030, 33.1302, 13.6352



Tritanopia

35.2080, 33.1480, 37.3434

Trichromacy



Original Color

30.3227, 33.0907, 13.3833

Protanomaly

30.3227, 33.0907, 13.3833

Deuteranomaly

32.4364, 33.1956, 13.5019

Tritanomaly

32.9107, 32.9131, 26.4481

Monochromacy



Original Color

30.3227, 33.0907, 13.3833

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.5856, 31.7119, 24.9838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3227, 33.0907, 13.3833 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(171, 156, 85)` looks like.

```
.text, #text, p{  
    color:rgb(171, 156, 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(171, 156, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 156, 85) }
```

Border

The CSS property to change the border of an element to XYZ 30.3227, 33.0907, 13.3833 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(171, 156, 85) }
```


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

```
.border{ border-color:rgb(171, 156, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 156, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 156, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 156, 85);  
box-shadow:4px 4px 4px 4px rgb(171, 156,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3227, 33.0907, 13.3833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 156, 85) }
```

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

```
.background{ background-color: rgb(171,  
156, 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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