

Converting Colors

XYZ(30.2646, 33.0008, 13.1333)

Have a look what the booklet for
XYZ(30.2646, 33.0008, 13.1333)
contains.

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Color

**XYZ(30.2833, 33.0750,
13.1755)**

Conversions

Conversions Part 1

Format	Color
Hex	AB9C54
RGB	171, 156, 84
RGB Percent	67%, 61%, 33%
CMY	0.3294, 0.3882, 0.6706
CMYK	0.00, 0.09, 0.51, 0.33
HSL	50°, 34%, 50%
HSV	50°, 51%, 67%
XYZ	30.2833, 33.0750, 13.1755
YIQ	152.2770, 32.0520, -19.2120

Conversions

Conversions Part 2

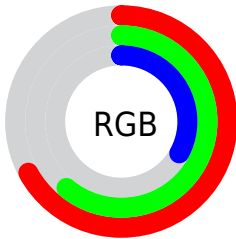
Format	Color
RYB	102, 171, 84
Decimal	11246676
CIELab	64.22, -4.28, 39.39
CIELCh	64, 39.622, 96.204
Yxy	33.0750, 0.3957, 0.4322
Android (android.graphics.Color)	4289436756 (0xFFAB9C54)
YUV	152.2770, -33.6606, 16.4201
Hunter-Lab	57.5109, -6.6519, 26.6745

Details

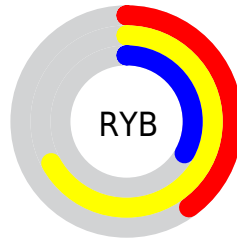
The XYZ color **30.2833, 33.0750, 13.1755** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.4685, 13.7483, 40.3663**, and the grayscale version is **30.0967, 31.6641, 34.4822**.

A 20% lighter version of the original color is **59.4147, 64.3364, 32.2084**, and **12.6911, 14.0064, 3.6247** is the 20% darker color. If you saturate the color by 10%, you get **29.2053, 31.8632, 9.9057**, and if you desaturate by 10%, it is **31.5384, 34.3793, 17.3117**.

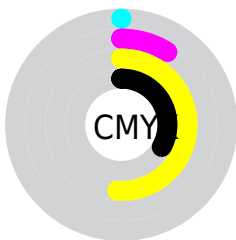
Distribution



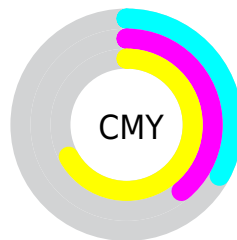
- Red (67%)
- Green (61%)
- Blue (33%)



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



- Cyan (0%)
- Magenta (9%)
- Yellow (51%)
- Black (33%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2833, 33.0750, 13.1755 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 30.2833, 33.0750, 13.1755 by changing the saturation by 10% instead.


 30.2833, 33.0750,
13.1755

 30.2833, 33.0750,
13.1755


295.1089,
315.9876, 223.2866


 20.2029, 22.1839,
7.4174


 59.4935, 64.4926,
32.3145


 12.6517, 13.9921,
3.6421


 79.3539, 85.7879,
46.5325


 7.2645, 8.1152,
1.4311


 103.2051,
111.3201, 64.4075

 3.6759, 4.1687,
0.1658

 131.4123,
141.4735, 86.3580

 1.5204, 1.7684,
0.0000

 164.3409,
176.6325, 112.8026

 0.3397, 0.4674,
0.0000

202.3563,

 0.0000, 0.0000,

217.1816, 144.1599

0.0000

245.8239,
263.5052, 180.8484

■ 30.2833, 33.0750,
13.1755

■ 30.2833, 33.0750,
13.1755

■ 29.2053, 31.8632,
9.9057

■ 31.5384, 34.3793,
17.3117

■ 28.2899, 30.7343,
7.4365

■ 32.9792, 35.7760,
22.3698

■ 27.5239, 29.6841,
5.6960

■ 34.6165, 37.2707,
28.4027

■ 26.8910, 28.7059,
4.5983

■ 36.4597, 38.8674,
35.4591

■ 26.3972, 27.8632,
3.9869

■ 38.5173, 40.5696,
43.5842

■ 40.7976, 42.3807,
52.8205

■ 43.3082, 44.3040,
63.2083

■ 46.0566, 46.3424,
74.7857

■ 49.0496, 48.4990,
87.5893

Harmonies

Analogous

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



36.0017, 33.0750, 14.4688



30.2833, 33.0750, 13.1755



25.4760, 33.0750, 16.3674

Triad

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



30.2833, 33.0750, 13.1755



23.4982, 33.0750, 57.5614



42.3977, 33.0750, 49.9994

Complementary

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



30.2833, 33.0750, 13.1755



15.4685, 13.7483, 40.3663

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.



38.2617, 33.0750, 67.2041



30.2833, 33.0750, 13.1755



27.2750, 33.0750, 72.4025

Square

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



30.2833, 33.0750, 13.1755



21.8708, 33.0750, 39.4624



32.6192, 33.0750, 76.3753



43.4504, 33.0750, 32.7708

Rectangle

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



30.2833, 33.0750, 13.1755



23.2842, 33.0750, 21.3953



32.6192, 33.0750, 76.3753



41.2997, 33.0750, 56.1169

Sweetspot

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



30.2841, 33.0765, 13.1762



63.8024, 68.3318, 57.7278



22.2629, 15.9180, 13.9434



14.0782, 15.1081, 12.3003



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.



30.2841, 33.0765, 13.1762



52.0933, 56.8147, 17.1354



27.5690, 35.6458, 13.8152



8.5435, 9.0917, 8.5180



19.9334, 21.0724, 3.0168



0.5850, 0.6471, 0.0941

Inverse Universe

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



15.4685, 13.7483, 40.3663



22.6101, 18.3880, 71.3594



17.1463, 12.6966, 40.0749



7.6864, 7.9721, 10.0864



5.9092, 2.9523, 29.3029



0.1971, 0.1475, 0.8261

Previews

White Background



This preview shows how the XYZ color 30.2833, 33.0750, 13.1755 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 30.2833, 33.0750, 13.1755 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 30.2833, 33.0750, 13.1755

Background



This preview shows how black text looks on a background with the XYZ color 30.2833, 33.0750, 13.1755.



This preview shows how white text looks on a background with the XYZ color 30.2833, 33.0750,

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

30.2833, 33.0750, 13.1755

Protanopia

30.2833, 33.0750, 13.1755

Deuteranopia

33.5048, 32.7988, 13.3690



Tritanopia

35.0518, 32.8356, 37.2914

Trichromacy



Original Color

30.2833, 33.0750, 13.1755

Protanomaly

30.2833, 33.0750, 13.1755

Deuteranomaly

32.2347, 32.8564, 13.2373

Tritanomaly

32.7504, 32.5926, 26.3947

Monochromacy



Original Color

30.2833, 33.0750, 13.1755

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.5201, 31.6857, 24.6387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2833, 33.0750, 13.1755 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, 84)` looks like.

```
.text, #text, p{  
    color:rgb(171, 156, 84)  
}
```

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, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 156, 84) }
```

Border

The CSS property to change the border of an element to XYZ 30.2833, 33.0750, 13.1755 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, 84) }
```


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

```
.border{ border-color:rgb(171, 156, 84) }
```

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, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 156, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 156, 84);  
box-shadow:4px 4px 4px 4px rgb(171, 156,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2833, 33.0750, 13.1755 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, 84) }
```

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

```
.background{ background-color: rgb(171,  
156, 84) }
```

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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