

Converting Colors

XYZ(30.9922, 33.4135, 30.4075)

Have a look what the booklet for
XYZ(30.9922, 33.4135, 30.4075)
contains.

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Color

**XYZ(30.8441, 33.2350,
30.3805)**

Conversions

Conversions Part 1

Format	Color
Hex	9D9D8E
RGB	157, 157, 142
RGB Percent	62%, 62%, 56%
CMY	0.3843, 0.3843, 0.4431
CMYK	0.00, 0.00, 0.10, 0.38
HSL	60°, 7%, 59%
HSV	60°, 10%, 62%
XYZ	30.8441, 33.2350, 30.3805
YIQ	155.2900, 4.8150, -4.6650

Conversions

Conversions Part 2

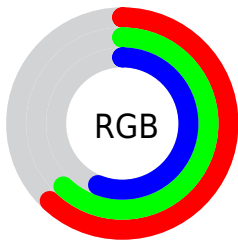
Format	Color
RYB	142, 157, 142
Decimal	10329486
CIELab	64.35, -2.74, 7.85
CIELCh	64, 8.312, 109.274
Yxy	33.2350, 0.3265, 0.3518
Android (android.graphics.Color)	4288519566 (0xFF9D9D8E)
YUV	155.2900, -6.5520, 1.4997
Hunter-Lab	57.6498, -5.3852, 9.1100

Details

The XYZ color **30.8441, 33.2350, 30.3805** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.9153, 27.5319, 35.7956**, and the grayscale version is **31.3115, 32.9422, 35.8740**.

A 20% lighter version of the original color is **60.6587, 65.0695, 61.5872**, and **13.0297, 14.1449, 12.1687** is the 20% darker color. If you saturate the color by 10%, you get **29.7472, 32.7973, 24.6032**, and if you desaturate by 10%, it is **32.1089, 33.7421, 37.0338**.

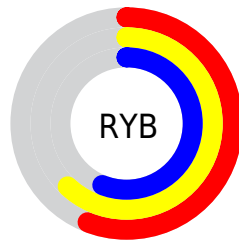
Distribution



Red (62%)

Green (62%)

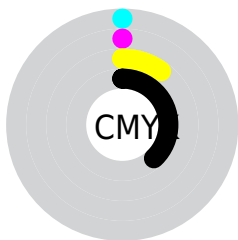
Blue (56%)



Red (56%)

Yellow (62%)

Blue (56%)

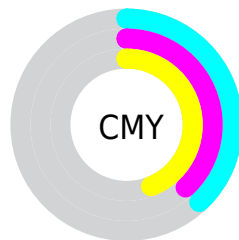


Cyan (0%)

Magenta (0%)

Yellow (10%)

Black (38%)



Cyan (38%)

Magenta (38%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8441, 33.2350, 30.3805 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 30.8441, 33.2350, 30.3805 by changing the saturation by 10% instead.

■ 30.8441, 33.2350,
30.3805

■ 30.8441, 33.2350,
30.3805

297.6592,
316.7073, 317.9364

■ 20.6314, 22.3065,
19.8731

■ 60.3721, 64.7422,
61.3315

■ 12.9658, 14.0823,
12.1197

■ 80.4180, 86.0898,
82.6122

■ 7.4818, 8.1779,
6.7017

■ 104.4725,
111.6792, 108.3210

■ 3.8142, 4.2090,
3.2006

132.9007,
141.8948, 138.8765

■ 1.5976, 1.7912,
1.1980

166.0682,
177.1210, 174.6973

■ 0.3908, 0.4817,
0.0000

204.3402,

■ 0.0000, 0.0000,

217.7423, 216.2018

0.0000

248.0820,
264.1429, 263.8087

■ 30.8441, 33.2350,
30.3805

■ 30.8441, 33.2350,
30.3805

■ 29.7472, 32.7973,
24.6032

■ 32.1089, 33.7421,
37.0338

■ 28.8086, 32.4217,
19.6635

■ 33.5454, 34.3167,
44.5951

■ 28.0217, 32.1069,
15.5230

■ 35.1606, 34.9629,
53.0977

■ 27.3787, 31.8497,
12.1399

■ 36.9604, 35.6829,
62.5723

■ 26.8708, 31.6464,
9.4682

■ 38.9503, 36.4789,
73.0482

■ 26.4884, 31.4934,
7.4573

■ 41.1358, 37.3532,
84.5537

■ 26.2205, 31.3862,
6.0497

■ 43.5219, 38.3077,
97.1158

■ 26.0544, 31.3197,
5.1780

■ 44.0170, 38.5058,
99.7202

■ 25.9611, 31.2823,
4.6898

■ 44.0176, 38.5061,
99.7202

Harmonies

Analogous

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



32.0141, 33.2350, 30.1575



30.8441, 33.2350, 30.3805



29.8965, 33.2350, 32.1018

Triad

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



30.8441, 33.2350, 30.3805



30.1281, 33.2350, 41.3512



33.8765, 33.2350, 37.4131

Complementary

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



30.8441, 33.2350, 30.3805



26.9153, 27.5319, 35.7956

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.



33.3440, 33.2350, 40.6055



30.8441, 33.2350, 30.3805



31.1675, 33.2350, 42.9716

Square

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



30.8441, 33.2350, 30.3805



29.4903, 33.2350, 38.3801



32.3455, 33.2350, 42.6905



33.7847, 33.2350, 34.0796

Rectangle

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



30.8441, 33.2350, 30.3805



29.5091, 33.2350, 33.9307



32.3455, 33.2350, 42.6905



33.7641, 33.2350, 38.5417

Sweetspot

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



30.8450, 33.2365, 30.3812



56.6736, 60.0946, 61.9659



28.4611, 28.4679, 29.5864



12.4316, 13.2078, 13.4296



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



30.8450, 33.2365, 30.3812



54.8916, 59.3817, 52.5867



29.4265, 32.5052, 30.3148



7.1701, 7.7203, 7.0979



21.0810, 25.4044, 3.7924



0.3770, 0.4543, 0.0678

Inverse Universe

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



26.9153, 27.5319, 35.7956



46.7257, 47.5277, 63.8378



28.2456, 28.2177, 35.8578



6.2849, 6.4353, 8.3176



4.9431, 1.9773, 26.0284



0.0884, 0.0354, 0.4654

Previews

White Background



This preview shows how the XYZ color 30.8441, 33.2350, 30.3805 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 30.8441, 33.2350, 30.3805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

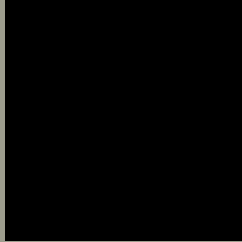
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.8441, 33.2350, 30.3805

Background



This preview shows how black text looks on a background with the XYZ color 30.8441, 33.2350, 30.3805.



This preview shows how white text looks on a background with the XYZ color 30.8441, 33.2350,

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

30.8441, 33.2350, 30.3805

Protanopia

31.4294, 33.0472, 29.9215

Deuteranopia

33.7688, 33.0260, 30.5814



Tritanopia

32.9357, 33.3380, 40.7754

Trichromacy



Original Color

30.8441, 33.2350, 30.3805

Protanomaly

31.1934, 33.1736, 29.9584

Deuteranomaly

32.7113, 33.2007, 30.6709

Tritanomaly

32.1052, 33.2479, 36.6237

Monochromacy



Original Color

30.8441, 33.2350, 30.3805

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.1038, 33.0469, 33.5935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8441, 33.2350, 30.3805 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(157, 157, 142)` looks like.

```
.text, #text, p{  
    color:rgb(157, 157, 142)  
}
```

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(157, 157, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 157, 142) }
```

Border

The CSS property to change the border of an element to XYZ 30.8441, 33.2350, 30.3805 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(157, 157, 142) }
```


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

```
.border{ border-color:rgb(157, 157, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 157, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 157, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 157, 142);  
box-shadow:4px 4px 4px 4px rgb(157, 157,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8441, 33.2350, 30.3805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 157, 142) }
```

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

```
.background{ background-color: rgb(157,  
157, 142) }
```

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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