

Converting Colors

XYZ(33.0932, 33.3387, 33.4551)

Have a look what the booklet for
XYZ(33.0932, 33.3387, 33.4551)
contains.

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Color

**XYZ(33.0447, 33.3093,
33.5419)**

Conversions

Conversions Part 1

Format	Color
Hex	A89996
RGB	168, 153, 150
RGB Percent	66%, 60%, 59%
CMY	0.3412, 0.4000, 0.4118
CMYK	0.00, 0.09, 0.11, 0.34
HSL	10°, 9%, 62%
HSV	10°, 11%, 66%
XYZ	33.0447, 33.3093, 33.5419
YIQ	157.1430, 9.9030, 2.2470

Conversions

Conversions Part 2

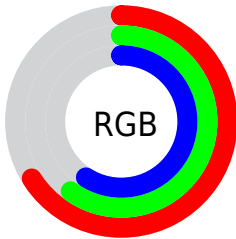
Format	Color
R_{YB}	168, 154, 150
Decimal	11049366
CIE _{Lab}	64.41, 4.98, 3.56
CIE _{LCh}	64, 6.127, 35.579
Yxy	33.3093, 0.3308, 0.3334
Android (android.graphics.Color)	4289239446 (0xFFA89996)
YUV	157.1430, -3.5215, 9.5216
Hunter-Lab	57.7142, 1.2016, 5.9422

Details

The XYZ color **33.0447, 33.3093, 33.5419** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.1006, 36.2208, 42.2929**, and the grayscale version is **32.1252, 33.7982, 36.8062**.

A 20% lighter version of the original color is **63.6433, 64.6733, 66.2556**, and **14.2060, 14.1166, 13.7804** is the 20% darker color. If you saturate the color by 10%, you get **29.6298, 28.4911, 26.2009**, and if you desaturate by 10%, it is **36.9243, 38.7455, 41.9955**.

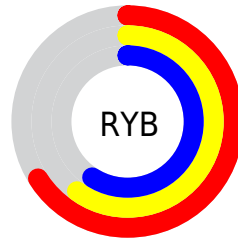
Distribution



Red (66%)

Green (60%)

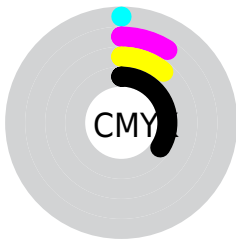
Blue (59%)



Red (66%)

Yellow (60%)

Blue (59%)

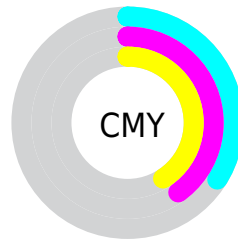


Cyan (0%)

Magenta (9%)

Yellow (11%)

Black (34%)



Cyan (34%)


Magenta (40%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0447, 33.3093, 33.5419 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 33.0447, 33.3093, 33.5419 by changing the saturation by 10% instead.


 33.0447, 33.3093,
33.5419


 33.0447, 33.3093,
33.5419


307.5125,
317.0412, 332.7911

 22.3201, 22.3635,
22.2674


 63.7995, 64.8581,
66.3464

 14.2102, 14.1242,
13.8533


 84.5604, 86.2299,
88.7134

 8.3497, 8.2071,
7.8811

109.3975,
111.8459, 115.6151

 4.3732, 4.2278,
3.9323

138.6761,
142.0903, 147.4699

 1.9154, 1.8018,
1.5883

172.7615,
177.3477, 184.6963

 0.5857, 0.4883,
0.2824

212.0192,

 0.0000, 0.0000,

218.0023, 227.7130

0.0000

256.8144,
264.4387, 276.9384

■ 33.0447, 33.3093,
33.5419

■ 33.0447, 33.3093,
33.5419

■ 29.6298, 28.4911,
26.2009

■ 36.9243, 38.7455,
41.9955

■ 26.6592, 24.2649,
19.9241

■ 41.2822, 44.8161,
51.6032

■ 24.1154, 20.6089,
14.6625

■ 46.1351, 51.5422,
62.4070

■ 21.9783, 17.4985,
10.3625

■ 51.4980, 58.9428,
74.4460

■ 20.2266, 14.9075,
6.9658

■ 57.3852, 67.0358,
87.7578

■ 18.8366, 12.8071,
4.4072

■ 63.8106, 75.8387,
102.3781

■ 17.7821, 11.1660,
2.6133

■ 68.6911, 84.5299,
107.3032

■ 17.0330, 9.9488,
1.4973

■ 69.9586, 87.0649,
107.7257

■ 16.5645, 9.1567,
0.8944

Harmonies

Analogous

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



33.3600, 33.3093, 35.8027



33.0447, 33.3093, 33.5419



32.3587, 33.3093, 32.0639

Triad

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



33.0447, 33.3093, 33.5419



30.1553, 33.3093, 34.3163



31.8230, 33.3093, 41.2672

Complementary

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



33.0447, 33.3093, 33.5419



33.1006, 36.2208, 42.2929

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.



30.9704, 33.3093, 40.8248



33.0447, 33.3093, 33.5419



30.0178, 33.3093, 36.7376

Square

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



33.0447, 33.3093, 33.5419



30.6927, 33.3093, 32.4964



30.3135, 33.3093, 39.1383



32.6464, 33.3093, 40.3211

Rectangle

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



33.0447, 33.3093, 33.5419



31.7891, 33.3093, 31.6823



30.3135, 33.3093, 39.1383



31.5302, 33.3093, 41.2765

Sweetspot

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



33.0456, 33.3108, 33.5426



65.2793, 67.8979, 72.4303



33.8467, 32.8546, 40.1553



14.1039, 14.6251, 15.5154



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



33.0456, 33.3108, 33.5426



58.3227, 58.1349, 57.3169



34.5742, 36.3679, 34.0521



7.6285, 7.7371, 7.8806



12.5354, 6.9680, 0.6843



0.3336, 0.2268, 0.0262

Inverse Universe

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



33.1006, 36.2208, 42.2929



58.4435, 64.5484, 76.6039



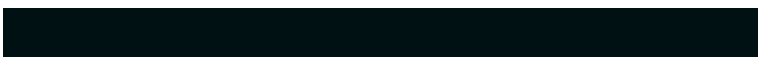
31.5345, 33.0886, 41.7708



7.6395, 8.3158, 9.6208



12.4484, 16.3569, 30.4766



0.3303, 0.4527, 0.7506

Previews

White Background



This preview shows how the XYZ color 33.0447, 33.3093, 33.5419 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 33.0447, 33.3093, 33.5419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

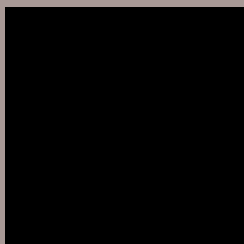
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

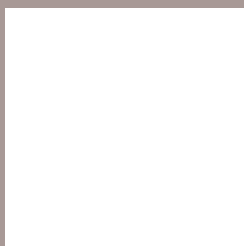
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0447, 33.3093, 33.5419

Background



This preview shows how black text looks on a background with the XYZ color 33.0447, 33.3093, 33.5419.



This preview shows how white text looks on a background with the XYZ color 33.0447, 33.3093,

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

33.0447, 33.3093, 33.5419

Protanopia

31.9716, 33.4849, 34.0563

Deuteranopia

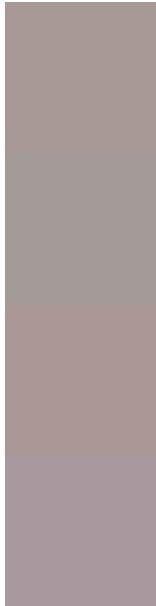
33.8052, 33.2195, 33.4844



Tritanopia

34.2550, 33.3236, 39.2770

Trichromacy



Original Color

33.0447, 33.3093, 33.5419

Protanomaly

32.4115, 33.4636, 34.0290

Deuteranomaly

33.5278, 33.3164, 33.5178

Tritanomaly

33.7620, 33.3601, 37.0074

Monochromacy



Original Color

33.0447, 33.3093, 33.5419

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.4191, 33.6871, 35.3654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0447, 33.3093, 33.5419 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(168, 153, 150)` looks like.

```
.text, #text, p{  
    color:rgb(168, 153, 150)  
}
```

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(168, 153, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 153, 150) }
```

Border

The CSS property to change the border of an element to XYZ 33.0447, 33.3093, 33.5419 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(168, 153, 150) }
```


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

```
.border{ border-color:rgb(168, 153, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 153, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 153, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 153, 150);  
box-shadow:4px 4px 4px 4px rgb(168, 153,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0447, 33.3093, 33.5419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 153, 150) }
```

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

```
.background{ background-color: rgb(168,  
153, 150) }
```

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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