

Converting Colors

XYZ(32.4517, 33.1387, 30.0567)

Have a look what the booklet for
XYZ(32.4517, 33.1387, 30.0567)
contains.

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Color

**XYZ(32.3474, 33.0304,
29.8699)**

Conversions

Conversions Part 1

Format	Color
Hex	A8998D
RGB	168, 153, 141
RGB Percent	66%, 60%, 55%
CMY	0.3412, 0.4000, 0.4471
CMYK	0.00, 0.09, 0.16, 0.34
HSL	27°, 13%, 61%
HSV	27°, 16%, 66%
XYZ	32.3474, 33.0304, 29.8699
YIQ	156.1170, 12.7920, -0.5520

Conversions

Conversions Part 2

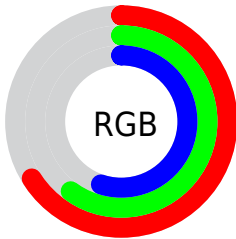
Format	Color
R_{YB}	168, 163, 141
Decimal	11049357
CIE Lab	64.19, 3.46, 8.30
CIE LCh	64, 8.991, 67.350
Yxy	33.0304, 0.3396, 0.3468
Android (android.graphics.Color)	4289239437 (0xFFA8998D)
YUV	156.1170, -7.4527, 10.4214
Hunter-Lab	57.4721, -0.1098, 9.4157

Details

The XYZ color **32.3474, 33.0304, 29.8699** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.9407, 32.2661, 41.6960**, and the grayscale version is **31.6811, 33.3310, 36.2975**.

A 20% lighter version of the original color is **62.5946, 64.2538, 60.7329**, and **13.8422, 13.9711, 11.8647** is the 20% darker color. If you saturate the color by 10%, you get **29.7232, 29.6328, 23.2887**, and if you desaturate by 10%, it is **35.2825, 36.7457, 37.4911**.

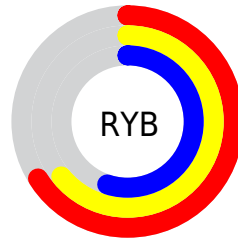
Distribution



Red (66%)

Green (60%)

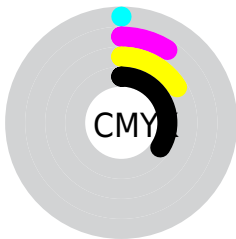
Blue (55%)



Red (66%)

Yellow (64%)

Blue (55%)

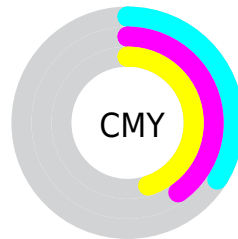


Cyan (0%)

Magenta (9%)

Yellow (16%)

Black (34%)



Cyan (34%)


Magenta (40%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3474, 33.0304, 29.8699 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 32.3474, 33.0304, 29.8699 by changing the saturation by 10% instead.


 32.3474, 33.0304,
29.8699


 32.3474, 33.0304,
29.8699


304.4160,
315.7867, 315.4860

 21.7838, 22.1497,
19.4886


 62.7168, 64.4230,
60.5149

 13.8139, 13.9670,
11.8435


 83.2534, 85.7037,
81.6158

 8.0721, 8.0977,
6.5160

 107.8450,
111.2199, 107.1270

 4.1933, 4.1575,
3.0875

136.8570,
141.3559, 137.4670

 1.8121, 1.7621,
1.1395

170.6547,
176.4962, 173.0543

 0.5249, 0.4634,
0.0000

209.6036,

 0.0000, 0.0000,

217.0252, 214.3076

0.0000

254.0689,
263.3272, 261.6453

■ 32.3474, 33.0304,
29.8699

■ 32.3474, 33.0304,
29.8699

■ 29.7232, 29.6328,
23.2887

■ 35.2825, 36.7457,
37.4911

■ 27.3960, 26.5397,
17.6996

■ 38.5365, 40.7827,
46.1932

■ 25.3547, 23.7432,
13.0541

■ 42.1202, 45.1511,
56.0171

■ 23.5864, 21.2336,
9.2988

■ 46.0434, 49.8586,
67.0014

■ 22.0771, 19.0002,
6.3748

■ 50.3151, 54.9127,
79.1825

■ 20.8112, 17.0319,
4.2161

■ 54.9442, 60.3207,
92.5953

■ 19.7712, 15.3163,
2.7461

■ 59.3538, 65.8554,
104.1908

■ 18.9344, 13.8386,
1.8627

■ 61.8469, 70.8417,
105.0219

■ 18.6435, 13.3148,
1.5874

■ 64.4786, 76.1049,
105.8991

Harmonies

Analogous

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



33.3826, 33.0304, 31.8734



32.3474, 33.0304, 29.8699



31.0820, 33.0304, 29.4447

Triad

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



32.3474, 33.0304, 29.8699



29.0267, 33.0304, 36.8696



32.9043, 33.0304, 41.8357

Complementary

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



32.3474, 33.0304, 29.8699



29.9407, 32.2661, 41.6960

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.



31.7089, 33.0304, 43.3820



32.3474, 33.0304, 29.8699



29.4868, 33.0304, 40.3915

Square

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



32.3474, 33.0304, 29.8699



29.1872, 33.0304, 33.3295



30.4603, 33.0304, 42.8364



33.7102, 33.0304, 38.7349

Rectangle

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



32.3474, 33.0304, 29.8699



30.2822, 33.0304, 30.0853



30.4603, 33.0304, 42.8364



32.5335, 33.0304, 42.5637

Sweetspot

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



32.3483, 33.0319, 29.8706



64.5772, 67.3713, 69.4912



31.6999, 29.7855, 35.6646



13.9923, 14.5805, 14.9275



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.



32.3483, 33.0319, 29.8706



57.0782, 57.8569, 50.0857



34.6291, 37.5934, 30.6309



7.7954, 8.0708, 7.9362



14.1284, 10.1541, 1.2153



0.3951, 0.3498, 0.0467

Inverse Universe

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



29.9407, 32.2661, 41.6960



51.9362, 56.2209, 75.3395



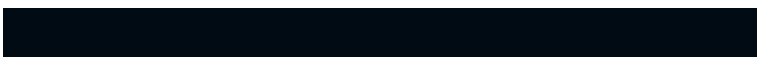
27.8453, 28.0752, 40.9975



7.4643, 7.9655, 9.5624



8.3659, 8.1919, 29.1158



0.2534, 0.2990, 0.7250

Previews

White Background



This preview shows how the XYZ color 32.3474, 33.0304, 29.8699 looks on a white background.

Color Contrast Check

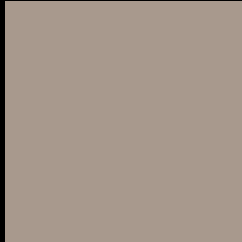
Large Text (above 18pt) WCAG AA × Fail

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 32.3474, 33.0304, 29.8699 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

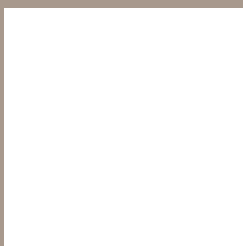
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3474, 33.0304, 29.8699

Background



This preview shows how black text looks on a background with the XYZ color 32.3474, 33.0304, 29.8699.



This preview shows how white text looks on a background with the XYZ color 32.3474, 33.0304,

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

32.3474, 33.0304, 29.8699

Protanopia

31.5041, 33.0771, 30.3153

Deuteranopia

33.6933, 32.9958, 30.1842



Tritanopia

34.2225, 33.0793, 38.7636

Trichromacy



Original Color

32.3474, 33.0304, 29.8699

Protanomaly

31.7479, 32.9567, 30.2792

Deuteranomaly

33.1827, 32.9704, 30.2062

Tritanomaly

33.4769, 33.0124, 35.1794

Monochromacy



Original Color

32.3474, 33.0304, 29.8699

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.8045, 33.1506, 34.0006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3474, 33.0304, 29.8699 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, 141)` looks like.

```
.text, #text, p{  
    color:rgb(168, 153, 141)  
}
```

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, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 153, 141) }
```

Border

The CSS property to change the border of an element to XYZ 32.3474, 33.0304, 29.8699 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, 141) }
```


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

```
.border{ border-color:rgb(168, 153, 141) }
```

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, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 153, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 153, 141);  
box-shadow:4px 4px 4px 4px rgb(168, 153,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3474, 33.0304, 29.8699 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, 141) }
```

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

```
.background{ background-color: rgb(168,  
153, 141) }
```

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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