

Converting Colors

XYZ(32.4229, 33.9787, 23.0222)

Have a look what the booklet for
XYZ(32.4229, 33.9787, 23.0222)
contains.

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Color

**XYZ(32.3529, 33.9281,
22.9327)**

Conversions

Conversions Part 1

Format	Color
Hex	AC9C79
RGB	172, 156, 121
RGB Percent	67%, 61%, 47%
CMY	0.3255, 0.3882, 0.5255
CMYK	0.00, 0.09, 0.30, 0.33
HSL	41°, 24%, 57%
HSV	41°, 30%, 67%
XYZ	32.3529, 33.9281, 22.9327
YIQ	156.7940, 20.7710, -7.4930

Conversions

Conversions Part 2

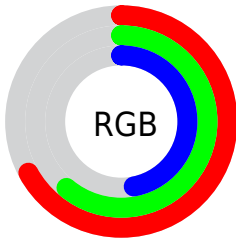
Format	Color
RYB	144, 172, 121
Decimal	11312249
CIELab	64.91, 0.38, 20.50
CIELCh	65, 20.501, 88.941
Yxy	33.9281, 0.3626, 0.3803
Android (android.graphics.Color)	4289502329 (0xFFAC9C79)
YUV	156.7940, -17.6464, 13.3357
Hunter-Lab	58.2478, -2.7885, 17.4305

Details

The XYZ color **32.3529, 33.9281, 22.9327** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **24.2769, 24.9340, 42.5630**, and the grayscale version is **32.0262, 33.6941, 36.6928**.

A 20% lighter version of the original color is **62.6815, 65.6432, 49.4111**, and **13.8290, 14.4930, 8.1994** is the 20% darker color. If you saturate the color by 10%, you get **30.5058, 31.7740, 17.5690**, and if you desaturate by 10%, it is **34.4301, 36.2410, 29.3018**.

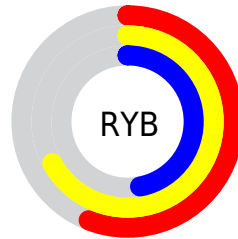
Distribution



Red (67%)

Green (61%)

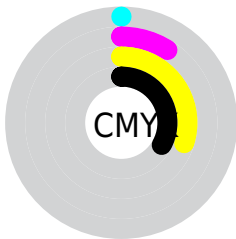
Blue (47%)



Red (56%)

Yellow (67%)

Blue (47%)

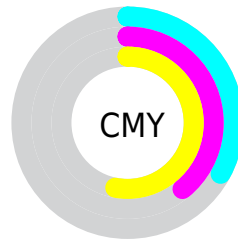


Cyan (0%)

Magenta (9%)

Yellow (30%)

Black (33%)



Cyan (33%)


Magenta (39%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3529, 33.9281, 22.9327 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 32.3529, 33.9281, 22.9327 by changing the saturation by 10% instead.


 32.3529, 33.9281,
22.9327


 32.3529, 33.9281,
22.9327


304.4405,
319.8113, 280.4898

 21.7880, 22.8384,
14.3390


 62.7254, 65.8218,
49.2046

 13.8170, 14.4742,
8.2154


 83.2637, 87.3946,
67.7199

 8.0743, 8.4512,
4.1433


 107.8573,
113.2306, 90.3794

 4.1947, 4.3850,
1.7043

136.8714,
143.7141, 117.6017

 1.8129, 1.8912,
0.3637

170.6714,
179.2295, 149.8054

 0.5254, 0.5431,
0.0000

209.6227,

 0.0000, 0.0000,

220.1613, 187.4089

0.0000

254.0906,
266.8937, 230.8309

■ 32.3529, 33.9281,
22.9327

■ 32.3529, 33.9281,
22.9327

■ 30.5058, 31.7740,
17.5690

■ 34.4301, 36.2410,
29.3018

■ 28.8756, 29.7689,
13.1557

■ 36.7444, 38.7127,
36.7230

■ 27.4518, 27.9091,
9.6359

■ 39.3060, 41.3493,
45.2427

■ 26.2217, 26.1886,
6.9455

■ 42.1234, 44.1549,
54.9040

■ 25.1710, 24.6008,
5.0120

■ 45.2048, 47.1336,
65.7474

■ 24.2830, 23.1381,
3.7500

■ 48.5581, 50.2893,
77.8117

■ 23.5235, 21.7859,
2.9825

■ 52.1905, 53.6256,
91.1337

■ 23.4980, 21.7401,
2.9578

■ 55.5240, 56.9121,
102.6664

■ 56.7887, 59.4415,
103.0880

Harmonies

Analogous

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



35.2717, 33.9281, 24.6722



32.3529, 33.9281, 22.9327



29.5731, 33.9281, 24.4428

Triad

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



32.3529, 33.9281, 22.9327



27.5223, 33.9281, 45.3975



37.3690, 33.9281, 45.9985

Complementary

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



32.3529, 33.9281, 22.9327



24.2769, 24.9340, 42.5630

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.



35.0787, 33.9281, 53.1075



32.3529, 33.9281, 22.9327



29.4016, 33.9281, 52.7249

Square

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



32.3529, 33.9281, 22.9327



26.8891, 33.9281, 36.6416



32.1426, 33.9281, 55.7371



38.2747, 33.9281, 37.2439

Rectangle

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



32.3529, 33.9281, 22.9327



28.1466, 33.9281, 27.2430



32.1426, 33.9281, 55.7371



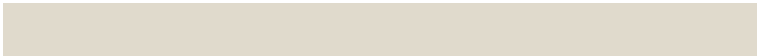
36.7289, 33.9281, 48.7064

Sweetspot

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



32.3538, 33.9296, 22.9334



66.8766, 70.4576, 67.3300



28.3770, 24.2562, 26.9100



14.3983, 15.1699, 14.1898



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.



32.3538, 33.9296, 22.9334



56.3072, 58.7888, 34.6116



33.2365, 38.6352, 23.7952



8.4476, 8.9000, 8.4860



17.5370, 16.2796, 2.2180



0.5338, 0.5448, 0.0770

Inverse Universe

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



24.2769, 24.9340, 42.5630



39.1228, 39.6569, 76.3983



23.5438, 21.4272, 41.9247



7.7762, 8.1519, 10.1163



6.5654, 4.2646, 29.5216



0.2323, 0.2179, 0.8378

Previews

White Background



This preview shows how the XYZ color 32.3529, 33.9281, 22.9327 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 32.3529, 33.9281, 22.9327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

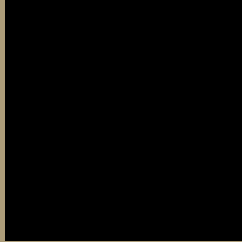
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.3529, 33.9281, 22.9327

Background



This preview shows how black text looks on a background with the XYZ color 32.3529, 33.9281, 22.9327.

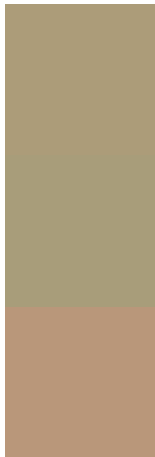


This preview shows how white text looks on a background with the XYZ color 32.3529, 33.9281,

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

32.3529, 33.9281, 22.9327

Protanopia

31.7183, 33.8439, 23.2731

Deuteranopia

34.5870, 33.8526, 23.1236



Tritanopia

35.5594, 33.7684, 38.8262

Trichromacy



Original Color

32.3529, 33.9281, 22.9327

Protanomaly

31.9320, 33.9541, 23.2832

Deuteranomaly

33.7265, 33.8909, 23.1764

Tritanomaly

34.1739, 33.6770, 32.3029

Monochromacy



Original Color

32.3529, 33.9281, 22.9327

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.9913, 33.8089, 31.2252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3529, 33.9281, 22.9327 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(172, 156, 121)` looks like.

```
.text, #text, p{  
    color:rgb(172, 156, 121)  
}
```

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(172, 156, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 156, 121) }
```

Border

The CSS property to change the border of an element to XYZ 32.3529, 33.9281, 22.9327 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(172, 156, 121) }
```


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

```
.border{ border-color:rgb(172, 156, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 156, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 156, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 156, 121);  
box-shadow:4px 4px 4px 4px rgb(172, 156,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3529, 33.9281, 22.9327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 156, 121) }
```

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

```
.background{ background-color: rgb(172,  
156, 121) }
```

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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