

Converting Colors

XYZ(32.2616, 33.5706, 20.2956)

Have a look what the booklet for
XYZ(32.2616, 33.5706, 20.2956)
contains.

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Color

**XYZ(32.3812, 33.7489,
20.4303)**

Conversions

Conversions Part 1

Format	Color
Hex	AF9B71
RGB	175, 155, 113
RGB Percent	69%, 61%, 44%
CMY	0.3137, 0.3921, 0.5569
CMYK	0.00, 0.11, 0.35, 0.31
HSL	41°, 28%, 56%
HSV	41°, 35%, 69%
XYZ	32.3812, 33.7489, 20.4303
YIQ	156.1920, 25.4020, -8.8220

Conversions

Conversions Part 2

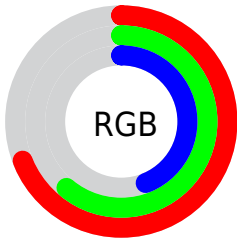
Format	Color
RYB	143, 175, 113
Decimal	11508593
CIELab	64.76, 1.10, 24.75
CIELCh	65, 24.771, 87.465
Yxy	33.7489, 0.3741, 0.3899
Android (android.graphics.Color)	4289698673 (0xFFAF9B71)
YUV	156.1920, -21.2937, 16.4946
Hunter-Lab	58.0938, -2.1691, 19.8147

Details

The XYZ color **32.3812, 33.7489, 20.4303** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.9353, 23.3803, 43.8616**, and the grayscale version is **31.7706, 33.4251, 36.3999**.

A 20% lighter version of the original color is **62.5470, 65.3065, 44.9061**, and **13.7896, 14.3472, 7.0435** is the 20% darker color. If you saturate the color by 10%, you get **30.5722, 31.5585, 15.4264**, and if you desaturate by 10%, it is **34.4258, 36.1063, 26.4508**.

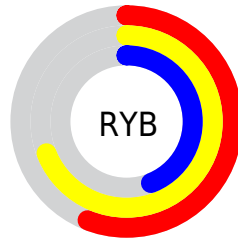
Distribution



Red (69%)

Green (61%)

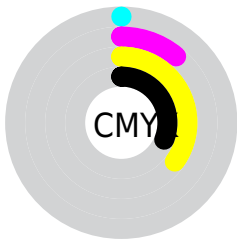
Blue (44%)



Red (56%)

Yellow (69%)

Blue (44%)

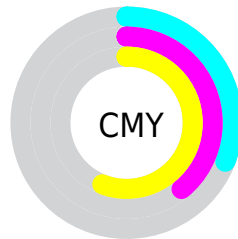


Cyan (0%)

Magenta (11%)

Yellow (35%)

Black (31%)



Cyan (31%)

Magenta (39%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3812, 33.7489, 20.4303 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 32.3812, 33.7489, 20.4303 by changing the saturation by 10% instead.

■ 32.3812, 33.7489,
20.4303

■ 32.3812, 33.7489,
20.4303

304.5666,
319.0110, 266.9160

■ 21.8098, 22.7008,
12.5210

■ 62.7694, 65.5430,
45.0059

■ 13.8330, 14.3727,
6.9727

■ 83.3169, 87.0577,
62.5092

■ 8.0855, 8.3803,
3.3669

■ 107.9204,
112.8302, 84.0477

■ 4.2020, 4.3393,
1.2849

■ 136.9454,
143.2446, 110.0399

■ 1.8170, 1.8651,
0.0493

170.7571,
178.6855, 140.9043

■ 0.5279, 0.5273,
0.0000

209.7210,

■ 0.0000, 0.0000,

219.5373, 177.0594

0.0000

254.2024,
266.1843, 218.9238

■ 32.3812, 33.7489,
20.4303

■ 32.3812, 33.7489,
20.4303

■ 30.5722, 31.5585,
15.4264

■ 34.4258, 36.1063,
26.4508

■ 28.9848, 29.5248,
11.3792

■ 36.7141, 38.6311,
33.5391

■ 27.6070, 27.6433,
8.2254

■ 39.2570, 41.3299,
41.7455

■ 26.4248, 25.9073,
5.8935

■ 42.0638, 44.2072,
51.1164

■ 25.4217, 24.3094,
4.3006

■ 45.1432, 47.2674,
61.6957

■ 24.5775, 22.8403,
3.3430

■ 48.5038, 50.5149,
73.5247

■ 24.2238, 22.2030,
3.0089

■ 52.1534, 53.9535,
86.6431

■ 56.0998, 57.5873,
101.0886

■ 57.7527, 60.3809,
103.2185

Harmonies

Analogous

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



35.9029, 33.7489, 22.5689



32.3812, 33.7489, 20.4303



29.0217, 33.7489, 21.9479

Triad

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



32.3812, 33.7489, 20.4303



26.3769, 33.7489, 46.5540



38.2036, 33.7489, 48.3356

Complementary

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



32.3812, 33.7489, 20.4303



22.9353, 23.3803, 43.8616

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.



35.3403, 33.7489, 57.0392



32.3812, 33.7489, 20.4303



28.5336, 33.7489, 55.8840

Square

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



32.3812, 33.7489, 20.4303



25.7111, 33.7489, 35.8861



31.7753, 33.7489, 60.0273



39.4162, 33.7489, 37.6212

Rectangle

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



32.3812, 33.7489, 20.4303



27.2914, 33.7489, 25.0192



31.7753, 33.7489, 60.0273



37.3923, 33.7489, 51.6635

Sweetspot

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



32.3821, 33.7505, 20.4310



67.6268, 71.1964, 66.0461



27.8645, 22.6365, 25.3336



14.8989, 15.6834, 14.2561



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



32.3821, 33.7505, 20.4310



55.2712, 57.1612, 29.0152



33.7586, 39.8160, 21.5292



8.4416, 8.8880, 8.4840



17.4049, 16.0152, 2.1739



0.5309, 0.5389, 0.0760

Inverse Universe

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



22.9353, 23.3803, 43.8616



35.6827, 35.6711, 77.6414



21.8595, 19.1414, 43.1001



7.7819, 8.1633, 10.1182



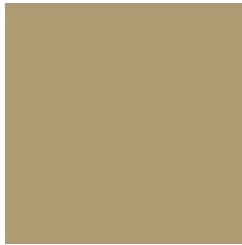
6.6198, 4.3735, 29.5398



0.2345, 0.2223, 0.8385

Previews

White Background



This preview shows how the XYZ color 32.3812, 33.7489, 20.4303 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 32.3812, 33.7489, 20.4303 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 32.3812, 33.7489, 20.4303

Background



This preview shows how black text looks on a background with the XYZ color 32.3812, 33.7489, 20.4303.



This preview shows how white text looks on a background with the XYZ color 32.3812, 33.7489,

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

32.3812, 33.7489, 20.4303

Protanopia

31.4564, 33.7639, 20.7787

Deuteranopia

34.3536, 33.7872, 20.6305



Tritanopia

35.9150, 33.7363, 37.8765

Trichromacy



Original Color

32.3812, 33.7489, 20.4303

Protanomaly

31.7203, 33.6498, 20.7428

Deuteranomaly

33.5569, 33.6165, 20.6396

Tritanomaly

34.3846, 33.5814, 30.6562

Monochromacy



Original Color

32.3812, 33.7489, 20.4303

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.7263, 33.4569, 29.5966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3812, 33.7489, 20.4303 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(175, 155, 113)` looks like.

```
.text, #text, p{  
    color:rgb(175, 155, 113)  
}
```

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(175, 155, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 155, 113) }
```

Border

The CSS property to change the border of an element to XYZ 32.3812, 33.7489, 20.4303 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(175, 155, 113) }
```


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

```
.border{ border-color:rgb(175, 155, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 155, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 155, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 155, 113);  
box-shadow:4px 4px 4px 4px rgb(175, 155,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3812, 33.7489, 20.4303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 155, 113) }
```

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

```
.background{ background-color: rgb(175,  
155, 113) }
```

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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