

Converting Colors

XYZ(33.7223, 34.0468, 30.6215)

Have a look what the booklet for
XYZ(33.7223, 34.0468, 30.6215)
contains.

XYZ(33.7471, 33.9786, 30.7665)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.7471, 33.9786,
30.7665)**

Conversions

Conversions Part 1

Format	Color
Hex	AD9A8F
RGB	173, 154, 143
RGB Percent	68%, 60%, 56%
CMY	0.3216, 0.3961, 0.4392
CMYK	0.00, 0.11, 0.17, 0.32
HSL	22°, 15%, 62%
HSV	22°, 17%, 68%
XYZ	33.7471, 33.9786, 30.7665
YIQ	158.4270, 14.8550, 0.6070

Conversions

Conversions Part 2

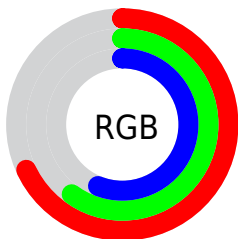
Format	Color
RYB	173, 160, 143
Decimal	11377295
CIELab	64.95, 5.15, 8.32
CIELCh	65, 9.786, 58.242
Yxy	33.9786, 0.3426, 0.3450
Android (android.graphics.Color)	4289567375 (0xFFAD9A8F)
YUV	158.4270, -7.6055, 12.7805
Hunter-Lab	58.2912, 1.3313, 9.5101

Details

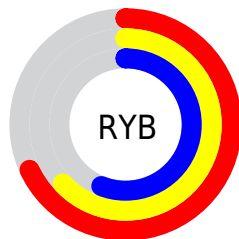
The XYZ color **33.7471, 33.9786, 30.7665** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.7907, 34.6967, 44.5570**, and the grayscale version is **32.7229, 34.4270, 37.4910**.

A 20% lighter version of the original color is **64.9470, 65.8010, 62.1011**, and **14.5718, 14.4839, 12.3836** is the 20% darker color. If you saturate the color by 10%, you get **30.8102, 30.0427, 23.8127**, and if you desaturate by 10%, it is **37.0530, 38.3284, 38.8413**.

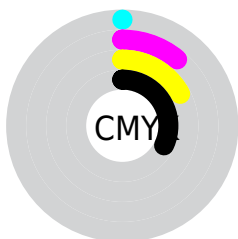
Distribution



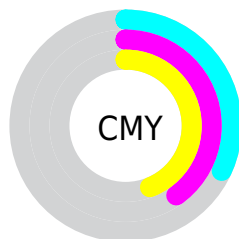
- Red (68%)
- Green (60%)
- Blue (56%)



- Red (68%)
- Yellow (63%)
- Blue (56%)



- Cyan (0%)
- Magenta (11%)
- Yellow (17%)
- Black (32%)



- Cyan (32%)
- Magenta (40%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7471, 33.9786, 30.7665 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 33.7471, 33.9786, 30.7665 by changing the saturation by 10% instead.

■ 33.7471, 33.9786,
30.7665

■ 33.7471, 33.9786,
30.7665

310.6087,
320.0366, 319.7790

■ 22.8614, 22.8772,
20.1641

■ 64.8871, 65.9004,
61.9475

■ 14.6113, 14.5028,
12.3292

■ 85.8721, 87.4895,
83.3633

■ 8.6316, 8.4712,
6.8430

110.9541,
113.3434, 109.2205

■ 4.5568, 4.3979,
3.2872

140.4987,
143.8463, 139.9379

■ 2.0217, 1.8985,
1.2431

174.8711,
179.3826, 175.9339

■ 0.6461, 0.5475,
0.0144

214.4366,

■ 0.0000, 0.0000,

220.3369, 217.6270

0.0000

259.5607,
267.0934, 265.4359

■ 33.7471, 33.9786,
30.7665

■ 33.7471, 33.9786,
30.7665

■ 30.8102, 30.0427,
23.8127

■ 37.0530, 38.3284,
38.8413

■ 28.2260, 26.5038,
17.9276

■ 40.7380, 43.0996,
48.0819

■ 25.9808, 23.3501,
13.0581

■ 44.8153, 48.3049,
58.5331

■ 24.0590, 20.5679,
9.1454

■ 49.2965, 53.9554,
70.2369

■ 22.4435, 18.1421,
6.1248

■ 54.1928, 60.0617,
83.2332

■ 21.1156, 16.0569,
3.9233

■ 59.5148, 66.6338,
97.5601

■ 20.0539, 14.2946,
2.4562

■ 63.7723, 73.0815,
105.3527

■ 19.2286, 12.8337,
1.5958

■ 66.9296, 79.3960,
106.4051

■ 19.0364, 12.4896,
1.4074

■ 70.2820, 86.1009,
107.5226

Harmonies

Analogous

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



34.7491, 33.9786, 33.4352



33.7471, 33.9786, 30.7665



32.3791, 33.9786, 29.7507

Triad

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



33.7471, 33.9786, 30.7665



29.6550, 33.9786, 36.7586



33.5986, 33.9786, 44.2850

Complementary

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



33.7471, 33.9786, 30.7665



31.7907, 34.6967, 44.5570

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.



32.2123, 33.9786, 45.3334



33.7471, 33.9786, 30.7665



29.9604, 33.9786, 40.8030

Square

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



33.7471, 33.9786, 30.7665



30.0398, 33.9786, 33.0501



30.8864, 33.9786, 44.0163



34.6617, 33.9786, 41.2461

Rectangle

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



33.7471, 33.9786, 30.7665



31.4525, 33.9786, 30.0870



30.8864, 33.9786, 44.0163



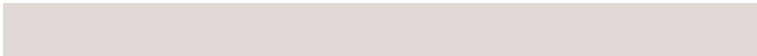
33.1537, 33.9786, 44.8912

Sweetspot

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



33.7480, 33.9801, 30.7672



67.7867, 70.5026, 73.1063



33.5780, 31.1383, 38.4233



14.6374, 15.1993, 15.6534



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.



33.7480, 33.9801, 30.7672



58.2446, 57.9299, 49.8511



36.3798, 39.2437, 31.6445



8.2368, 8.4784, 8.4157



14.0355, 9.2765, 1.0508



0.4436, 0.3643, 0.0469

Inverse Universe

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



31.7907, 34.6967, 44.5570



54.0442, 59.4650, 79.4352



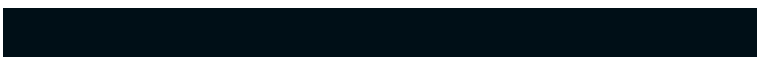
29.3047, 29.7247, 43.7283



7.9856, 8.5706, 10.1861



9.6578, 10.4494, 30.5524



0.3184, 0.3903, 0.8665

Previews

White Background



This preview shows how the XYZ color 33.7471, 33.9786, 30.7665 looks on a white background.

Color Contrast Check

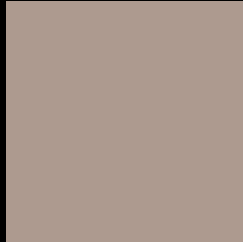
Large Text (above 18pt) WCAG AA × Fail

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 33.7471, 33.9786, 30.7665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

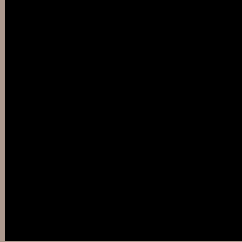
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7471, 33.9786, 30.7665

Background



This preview shows how black text looks on a background with the XYZ color 33.7471, 33.9786, 30.7665.



This preview shows how white text looks on a background with the XYZ color 33.7471, 33.9786,

30.7665.

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

33.7471, 33.9786, 30.7665

Protanopia

32.4776, 34.0508, 31.6488

Deuteranopia

34.5463, 33.9046, 30.7101



Tritanopia

35.5820, 34.0077, 39.3391

Trichromacy



Original Color

33.7471, 33.9786, 30.7665

Protanomaly

32.8589, 34.0060, 31.2175

Deuteranomaly

34.2537, 33.9957, 30.7431

Tritanomaly

34.9082, 33.9707, 36.1696

Monochromacy



Original Color

33.7471, 33.9786, 30.7665

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.9110, 34.2004, 35.0037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7471, 33.9786, 30.7665 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(173, 154, 143)` looks like.

```
.text, #text, p{  
    color:rgb(173, 154, 143)  
}
```

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(173, 154, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 154, 143) }
```

Border

The CSS property to change the border of an element to XYZ 33.7471, 33.9786, 30.7665 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(173, 154, 143) }
```


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

```
.border{ border-color:rgb(173, 154, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 154, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 154, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 154, 143);  
box-shadow:4px 4px 4px 4px rgb(173, 154,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7471, 33.9786, 30.7665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 154, 143) }
```

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

```
.background{ background-color: rgb(173,  
154, 143) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor