

Converting Colors

XYZ(33.2632, 36.2920, 30.8436)

Have a look what the booklet for
XYZ(33.2632, 36.2920, 30.8436)
contains.

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Color

**XYZ(33.2622, 36.2904,
30.8428)**

Conversions

Conversions Part 1

Format	Color
Hex	A3A48E
RGB	163, 164, 142
RGB Percent	64%, 64%, 56%
CMY	0.3608, 0.3568, 0.4431
CMYK	0.01, 0.00, 0.13, 0.36
HSL	63°, 11%, 60%
HSV	63°, 13%, 64%
XYZ	33.2622, 36.2904, 30.8428
YIQ	161.1930, 6.4660, -7.0540

Conversions

Conversions Part 2

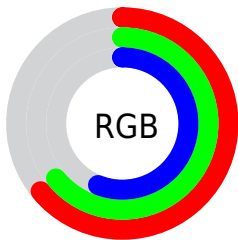
Format	Color
R_{YB}	142, 164, 143
Decimal	10724494
CIE _{Lab}	66.74, -4.29, 11.31
CIE _{LCh}	67, 12.096, 110.790
Yxy	36.2904, 0.3313, 0.3615
Android (android.graphics.Color)	4288914574 (0xFFA3A48E)
YUV	161.1930, -9.4621, 1.5847
Hunter-Lab	60.2415, -6.8643, 11.8134

Details

The XYZ color **33.2622, 36.2904, 30.8428** is a light color, and the websafe version is hex **999999**. A complement of this color would be **27.7028, 27.8669, 39.0426**, and the grayscale version is **34.0073, 35.7783, 38.9626**.

A 20% lighter version of the original color is **64.2088, 69.5540, 62.2656**, and **14.2815, 15.7406, 12.4107** is the 20% darker color. If you saturate the color by 10%, you get **31.9681, 35.7563, 24.8207**, and if you desaturate by 10%, it is **34.7404, 36.9006, 37.8208**.

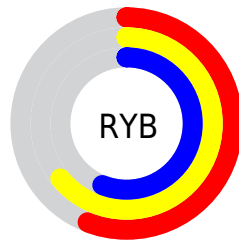
Distribution



Red (64%)

Green (64%)

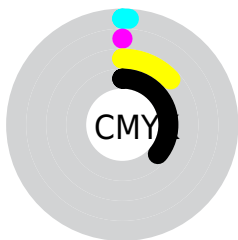
Blue (56%)



Red (56%)

Yellow (64%)

Blue (56%)

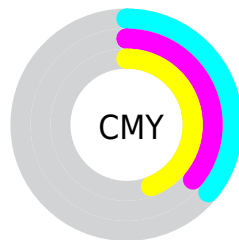


Cyan (1%)

Magenta (0%)

Yellow (13%)

Black (36%)



Cyan (36%)

Magenta (36%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2622, 36.2904, 30.8428 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 33.2622, 36.2904, 30.8428 by changing the saturation by 10% instead.

■ 33.2622, 36.2904,
30.8428

■ 33.2622, 36.2904,
30.8428

308.4737,
330.2281, 320.1422

■ 22.4876, 24.6586,
20.2217

■ 64.1366, 69.4801,
62.0692

■ 14.3342, 15.8229,
12.3706

■ 84.9671, 91.8067,
83.5115

■ 8.4367, 9.3989,
6.8710

■ 109.8803,
118.4670, 109.3981

■ 4.4298, 5.0023,
3.3044

139.2415,
149.8454, 140.1473

■ 1.9480, 2.2486,
1.2521

173.4161,
186.3263, 176.1778

■ 0.6045, 0.7463,
0.0220

212.7694,

■ 0.0000, 0.0000,

228.2941, 217.9081

0.0000

257.6668,
276.1333, 265.7567

■ 33.2622, 36.2904,
30.8428

■ 33.2622, 36.2904,
30.8428

■ 31.9681, 35.7563,
24.8207

■ 34.7404, 36.9006,
37.8208

■ 30.8473, 35.2905,
19.7106

■ 36.4071, 37.5851,
45.7914

■ 29.8922, 34.8910,
15.4687

■ 38.2703, 38.3484,
54.7920

■ 29.0938, 34.5543,
12.0468

■ 40.3367, 39.1930,
64.8577

■ 28.4419, 34.2763,
9.3918

■ 42.6125, 40.1215,
76.0216

■ 27.9252, 34.0526,
7.4445

■ 45.1039, 41.1363,
88.3157

■ 27.5310, 33.8779,
6.1370

■ 47.5247, 42.1230,
100.2335

■ 27.2437, 33.7460,
5.3883

■ 47.6847, 42.2055,
100.2410

■ 27.0886, 33.6729,
5.0718

■ 47.8455, 42.2884,
100.2485

Harmonies

Analogous

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



35.0577, 36.2904, 30.4000



33.2622, 36.2904, 30.8428



31.8445, 36.2904, 33.4948

Triad

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



33.2622, 36.2904, 30.8428



32.3216, 36.2904, 47.8247



38.0744, 36.2904, 41.1447

Complementary

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



33.2622, 36.2904, 30.8428



27.7028, 27.8669, 39.0426

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.



37.2843, 36.2904, 46.2145



33.2622, 36.2904, 30.8428



33.9343, 36.2904, 50.2889

Square

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



33.2622, 36.2904, 30.8428



31.3149, 36.2904, 43.1900



35.7537, 36.2904, 49.6750



37.8790, 36.2904, 36.0529

Rectangle

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



33.2622, 36.2904, 30.8428



31.2839, 36.2904, 36.2984



35.7537, 36.2904, 49.6750



37.9143, 36.2904, 42.9142

Sweetspot

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



33.2632, 36.2920, 30.8436



62.8691, 66.9003, 67.7579



29.9759, 29.4113, 29.6887



13.6999, 14.6074, 14.6016



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



33.2632, 36.2920, 30.8436



59.6636, 65.5788, 52.6549



31.1581, 35.2068, 30.7451



7.6174, 8.2207, 7.5654



20.7802, 25.8231, 3.8891



0.4457, 0.5473, 0.0821

Inverse Universe

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



27.7028, 27.8669, 39.0426



47.6412, 47.3619, 70.3831



29.6506, 28.8710, 39.1338



6.7290, 6.8746, 8.8754



5.2208, 2.0979, 27.0596



0.1181, 0.0484, 0.5690

Previews

White Background



This preview shows how the XYZ color 33.2622, 36.2904, 30.8428 looks on a white background.

Color Contrast Check

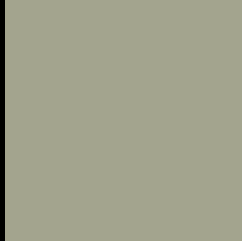
Large Text (above 18pt) WCAG AA × Fail

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 33.2622, 36.2904, 30.8428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

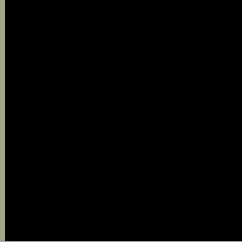
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

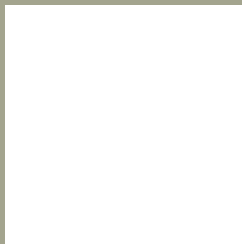
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2622, 36.2904, 30.8428

Background



This preview shows how black text looks on a background with the XYZ color 33.2622, 36.2904, 30.8428.



This preview shows how white text looks on a background with the XYZ color 33.2622, 36.2904,

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

33.2622, 36.2904, 30.8428

Protanopia

34.3056, 36.3098, 30.3997

Deuteranopia

36.9301, 36.1048, 31.4081



Tritanopia

35.9535, 36.3357, 44.1483

Trichromacy



Original Color

33.2622, 36.2904, 30.8428

Protanomaly

33.8413, 36.3330, 30.4286

Deuteranomaly

35.4875, 36.1266, 31.0893

Tritanomaly

34.9038, 36.1699, 38.8601

Monochromacy



Original Color

33.2622, 36.2904, 30.8428

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.6534, 35.8551, 35.7189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2622, 36.2904, 30.8428 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(163, 164, 142)` looks like.

```
.text, #text, p{  
    color:rgb(163, 164, 142)  
}
```

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(163, 164, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 164, 142) }
```

Border

The CSS property to change the border of an element to XYZ 33.2622, 36.2904, 30.8428 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(163, 164, 142) }
```


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

```
.border{ border-color:rgb(163, 164, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 164, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 164, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 164, 142);  
box-shadow:4px 4px 4px 4px rgb(163, 164,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2622, 36.2904, 30.8428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 164, 142) }
```

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

```
.background{ background-color: rgb(163,  
164, 142) }
```

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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