

Converting Colors

XYZ(37.5872, 42.5138, 33.0346)

Have a look what the booklet for
XYZ(37.5872, 42.5138, 33.0346)
contains.

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Color

**XYZ(37.6088, 42.4312,
32.9959)**

Conversions

Conversions Part 1

Format	Color
Hex	AAB291
RGB	170, 178, 145
RGB Percent	67%, 70%, 57%
CMY	0.3333, 0.3019, 0.4314
CMYK	0.04, 0.00, 0.19, 0.30
HSL	75°, 18%, 63%
HSV	75°, 19%, 70%
XYZ	37.6088, 42.4312, 32.9959
YIQ	171.8460, 5.8250, -11.9590

Conversions

Conversions Part 2

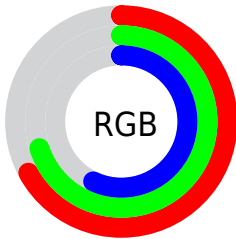
Format	Color
RYB	145, 178, 153
Decimal	11186833
CIELab	71.17, -8.65, 15.95
CIELCh	71, 18.144, 118.461
Yxy	42.4312, 0.3327, 0.3754
Android (android.graphics.Color)	4289376913 (0xFFAAB291)
YUV	171.8460, -13.2351, -1.6189
Hunter-Lab	65.1392, -10.9349, 15.5645

Details

The XYZ color **37.6088, 42.4312, 32.9959** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.2998, 30.2386, 46.3088**, and the grayscale version is **39.1985, 41.2399, 44.9102**.

A 20% lighter version of the original color is **70.7830, 78.9767, 65.5462**, and **16.8252, 19.3269, 13.4334** is the 20% darker color. If you saturate the color by 10%, you get **35.4248, 41.4530, 26.2816**, and if you desaturate by 10%, it is **40.0408, 43.5150, 40.8462**.

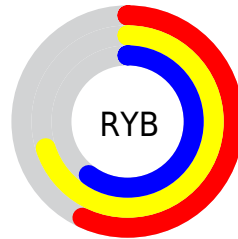
Distribution



Red (67%)

Green (70%)

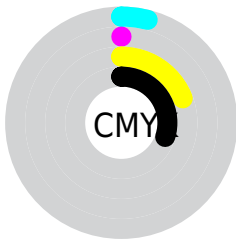
Blue (57%)



Red (57%)

Yellow (70%)

Blue (60%)

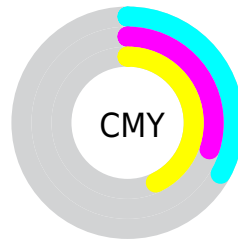


Cyan (4%)

Magenta (0%)

Yellow (19%)

Black (30%)



Cyan (33%)

Magenta (30%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6088, 42.4312, 32.9959 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 37.6088, 42.4312, 32.9959 by changing the saturation by 10% instead.

■ 37.6088, 42.4312,
32.9959

■ 37.6088, 42.4312,
32.9959

327.2488,
356.2673, 330.2627

■ 25.8550, 29.4391,
21.8522

■ 70.8159, 78.8518,
65.4851

■ 16.8473, 19.4132,
13.5511

■ 93.0000, 103.0491,
87.6676

■ 10.2203, 11.9692,
7.6739

119.3915,
131.7502, 114.3669

■ 5.6087, 6.7227,
3.8023

150.3559,
165.3396, 146.0014

■ 2.6470, 3.2893,
1.5175

186.2584,
204.2016, 182.9897

■ 0.9700, 1.2846,
0.2309

227.4645,

■ 0.0000, 0.1292,

248.7206, 225.7503

0.0000

274.3395,
299.2811, 274.7018

■ 0.0000, 0.0000,
0.0000

■ 37.6088, 42.4312,
32.9959

■ 37.6088, 42.4312,
32.9959

■ 35.4248, 41.4530,
26.2816

■ 40.0408, 43.5150,
40.8462

■ 33.4752, 40.5706,
20.6479

■ 42.7271, 44.7027,
49.8790

■ 31.7499, 39.7814,
16.0390

■ 45.6778, 45.9997,
60.1414

■ 30.2370, 39.0806,
12.3929

■ 48.9015, 47.4096,
71.6772

■ 28.9232, 38.4628,
9.6409

■ 52.4065, 48.9357,
84.5281

■ 27.7932, 37.9220,
7.7054

■ 56.2005, 50.5811,
98.7339

■ 26.8296, 37.4510,
6.4953

■ 57.8493, 51.3722,
101.4746

■ 26.0021, 37.0378,
5.8532

■ 59.0204, 51.9759,
101.5294

■ 25.8864, 36.9798,
5.7735

■ 60.2243, 52.5965,
101.5857

Harmonies

Analogous

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



40.4867, 42.4312, 31.4110



37.6088, 42.4312, 32.9959



35.5521, 42.4312, 37.9889

Triad

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



37.6088, 42.4312, 32.9959



37.3500, 42.4312, 61.9792



46.4566, 42.4312, 46.6512

Complementary

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



37.6088, 42.4312, 32.9959



31.2998, 30.2386, 46.3088

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.



45.5169, 42.4312, 55.5173



37.6088, 42.4312, 32.9959



40.1729, 42.4312, 65.0270

Square

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



37.6088, 42.4312, 32.9959



35.4081, 42.4312, 54.6422



43.1785, 42.4312, 62.5275



45.6872, 42.4312, 38.6761

Rectangle

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



37.6088, 42.4312, 32.9959



34.8716, 42.4312, 42.9334



43.1785, 42.4312, 62.5275



46.3293, 42.4312, 49.6290

Sweetspot

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



37.6099, 42.4331, 32.9968



73.7512, 79.4143, 77.8582



34.8146, 34.1950, 31.5540



16.2723, 17.5644, 17.0258



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



37.6099, 42.4331, 32.9968



66.6262, 76.2416, 54.9200



34.3211, 40.7376, 32.8429



8.9917, 9.8008, 9.0704



18.5797, 26.4882, 4.1335



0.6332, 0.8585, 0.1323

Inverse Universe

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



31.2998, 30.2386, 46.3088



53.1856, 50.2638, 83.2799



34.5679, 31.9233, 46.4617



8.2286, 8.3264, 10.6798



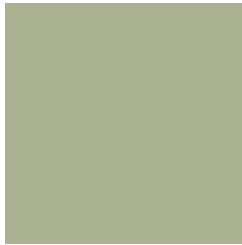
6.5165, 2.6952, 30.3138



0.2583, 0.1123, 0.9563

Previews

White Background



This preview shows how the XYZ color 37.6088, 42.4312, 32.9959 looks on a white background.

Color Contrast Check

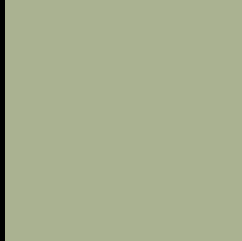
Large Text (above 18pt) WCAG AA × Fail

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 37.6088, 42.4312, 32.9959 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

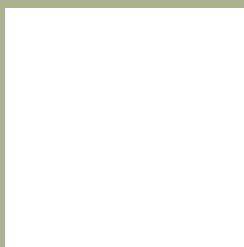
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6088, 42.4312, 32.9959

Background



This preview shows how black text looks on a background with the XYZ color 37.6088, 42.4312, 32.9959.



This preview shows how white text looks on a background with the XYZ color 37.6088, 42.4312,

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

37.6088, 42.4312, 32.9959

Protanopia

39.8611, 42.4456, 32.0785

Deuteranopia

42.9046, 42.0234, 33.4538



Tritanopia

41.5199, 42.2803, 52.4270

Trichromacy



Original Color

37.6088, 42.4312, 32.9959

Protanomaly

38.9544, 42.2573, 32.4889

Deuteranomaly

40.7375, 42.0200, 33.1577

Tritanomaly

39.9423, 42.2110, 44.5704

Monochromacy



Original Color

37.6088, 42.4312, 32.9959

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.4522, 41.5387, 40.1735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6088, 42.4312, 32.9959 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(170, 178, 145)` looks like.

```
.text, #text, p{  
    color:rgb(170, 178, 145)  
}
```

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(170, 178, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 178, 145) }
```

Border

The CSS property to change the border of an element to XYZ 37.6088, 42.4312, 32.9959 is called "border". The border property can be set on classes, ids or directly on the HTML element.

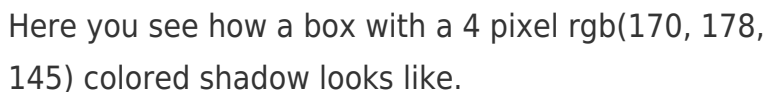
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 178, 145) }
```


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

```
.border{ border-color:rgb(170, 178, 145) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 178, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 178, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 178, 145); box-shadow:4px 4px 4px 4px rgb(170, 178, 145) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6088, 42.4312, 32.9959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 178, 145) }
```

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

```
.background{ background-color: rgb(170,  
178, 145) }
```

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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