

Converting Colors

XYZ(33.2347, 37.9347, 17.3749)

Have a look what the booklet for
XYZ(33.2347, 37.9347, 17.3749)
contains.

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Color

**XYZ(33.2347, 37.9347,
17.3749)**

Conversions

Conversions Part 1

Format	Color
Hex	ABA963
RGB	171, 169, 99
RGB Percent	67%, 66%, 39%
CMY	0.3294, 0.3372, 0.6118
CMYK	0.00, 0.01, 0.42, 0.33
HSL	58°, 30%, 53%
HSV	58°, 42%, 67%
XYZ	33.2347, 37.9347, 17.3749
YIQ	161.6180, 23.6620, -21.3460

Conversions

Conversions Part 2

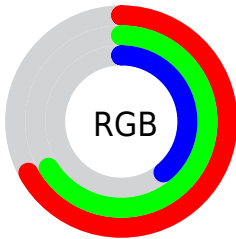
Format	Color
RYB	101, 171, 99
Decimal	11250019
CIELab	67.97, -9.70, 36.30
CIElCh	68, 37.573, 104.957
Yxy	37.9347, 0.3753, 0.4284
Android (android.graphics.Color)	4289440099 (0xFFABA963)
YUV	161.6180, -30.8707, 8.2280
Hunter-Lab	61.5912, -11.4656, 26.3881

Details

The XYZ color **33.2347, 37.9347, 17.3749** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.1500, 14.9000, 40.5002**, and the grayscale version is **34.2968, 36.0829, 39.2942**.

A 20% lighter version of the original color is **63.9201, 71.8766, 39.7828**, and **14.2731, 16.7348, 5.4955** is the 20% darker color. If you saturate the color by 10%, you get **32.4146, 37.4672, 13.4866**, and if you desaturate by 10%, it is **34.2301, 38.4755, 22.1766**.

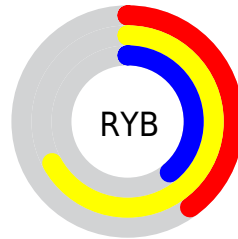
Distribution



Red (67%)

Green (66%)

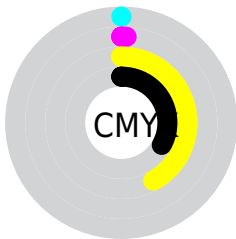
Blue (39%)



Red (40%)

Yellow (67%)

Blue (39%)

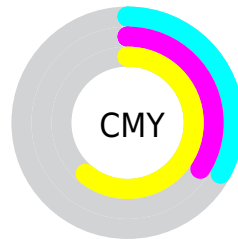


Cyan (0%)

Magenta (1%)

Yellow (42%)

Black (33%)



Cyan (33%)

Magenta (34%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2347, 37.9347, 17.3749 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 33.2347, 37.9347, 17.3749 by changing the saturation by 10% instead.

■ 33.2347, 37.9347,
17.3749

■ 33.2347, 37.9347,
17.3749

308.3523,
337.3398, 249.4403

■ 22.4664, 25.9320,
10.3374

■ 64.0940, 72.0080,
39.7687

■ 14.3185, 16.7728,
5.5147

■ 84.9157, 94.8475,
55.9620

■ 8.4257, 10.0726,
2.4883

■ 109.8193,
122.0680, 76.0444

■ 4.4226, 5.4471,
0.8340

■ 139.1701,
154.0539, 100.4343

■ 1.9439, 2.5119,
0.0000

173.3334,
191.1896, 129.5503

■ 0.6022, 0.8826,
0.0000

212.6746,

■ 0.0000, 0.0000,

233.8596, 163.8110

0.0000

257.5592,
282.4482, 203.6348

■ 33.2347, 37.9347,
17.3749

■ 33.2347, 37.9347,
17.3749

■ 32.4146, 37.4672,
13.4866

■ 34.2301, 38.4755,
22.1766

■ 31.7561, 37.0635,
10.4513

■ 35.4080, 39.0886,
27.9423

■ 31.2477, 36.7203,
8.2050


■ 36.7788, 39.7792,
34.7216


■ 30.8753, 36.4321,
6.6738


■ 38.3510, 40.5510,
42.5603


■ 30.6224, 36.1921,
5.7698


■ 40.1328, 41.4071,
51.5010

 30.4782, 36.0252,
5.3472

 42.1318, 42.3507,
61.5844

 44.3555, 43.3845,
72.8487

 46.8107, 44.5115,
85.3307

 49.5040, 45.7343,
99.0653

Harmonies

Analogous

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



39.0493, 37.9347, 17.3819



33.2347, 37.9347, 17.3749



28.6897, 37.9347, 22.4718

Triad

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



33.2347, 37.9347, 17.3749



28.6795, 37.9347, 68.4474



48.0229, 37.9347, 50.2254

Complementary

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



33.2347, 37.9347, 17.3749



17.1500, 14.9000, 40.5002

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.



44.5858, 37.9347, 68.4950



33.2347, 37.9347, 17.3749



33.2194, 37.9347, 80.7935

Square

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



33.2347, 37.9347, 17.3749



26.2593, 37.9347, 50.1726



39.0322, 37.9347, 80.8130



48.0282, 37.9347, 33.5482

Rectangle

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



33.2347, 37.9347, 17.3749



26.8096, 37.9347, 29.1329



39.0322, 37.9347, 80.8130



47.2155, 37.9347, 56.4667

Sweetspot

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



33.2356, 37.9364, 17.3757



65.5748, 71.0963, 60.7244



23.6254, 18.5295, 14.7468



14.5005, 15.7933, 12.9323



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.



33.2356, 37.9364, 17.3757



58.0798, 67.1177, 24.2792



27.1975, 35.3790, 17.2003



8.6434, 9.2915, 8.5513



22.9828, 27.1710, 4.0332



0.6452, 0.7675, 0.1141

Inverse Universe

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



17.1500, 14.9000, 40.5002



25.2121, 20.0521, 71.5435



21.4227, 16.8185, 40.6453



7.5960, 7.7915, 10.0562



5.5866, 2.3071, 29.1954



0.1611, 0.0755, 0.8141

Previews

White Background



This preview shows how the XYZ color 33.2347, 37.9347, 17.3749 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 33.2347, 37.9347, 17.3749 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 33.2347, 37.9347, 17.3749

Background



This preview shows how black text looks on a background with the XYZ color 33.2347, 37.9347, 17.3749.



This preview shows how white text looks on a background with the XYZ color 33.2347, 37.9347,

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

33.2347, 37.9347, 17.3749

Protanopia

34.8969, 37.9780, 17.0465

Deuteranopia

38.3952, 37.6727, 17.5598



Tritanopia

38.7040, 37.7424, 44.7803

Trichromacy



Original Color

33.2347, 37.9347, 17.3749

Protanomaly

34.1548, 37.8664, 17.0641

Deuteranomaly

36.2068, 37.5796, 17.4019

Tritanomaly

36.1900, 37.4998, 32.5249

Monochromacy



Original Color

33.2347, 37.9347, 17.3749

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.6324, 36.7737, 29.7515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2347, 37.9347, 17.3749 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(171, 169, 99)` looks like.

```
.text, #text, p{  
    color:rgb(171, 169, 99)  
}
```

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(171, 169, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 169, 99) }
```

Border

The CSS property to change the border of an element to XYZ 33.2347, 37.9347, 17.3749 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(171, 169, 99) }
```


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

```
.border{ border-color:rgb(171, 169, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 169, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 169, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 169, 99);  
box-shadow:4px 4px 4px 4px rgb(171, 169,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2347, 37.9347, 17.3749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 169, 99) }
```

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

```
.background{ background-color: rgb(171,  
169, 99) }
```

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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