

Converting Colors

XYZ(33.8062, 39.1679, 17.0890)

Have a look what the booklet for
XYZ(33.8062, 39.1679, 17.0890)
contains.

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Color

**XYZ(33.7048, 39.0260,
17.0656)**

Conversions

Conversions Part 1

Format	Color
Hex	ABAC61
RGB	171, 172, 97
RGB Percent	67%, 67%, 38%
CMY	0.3294, 0.3255, 0.6196
CMYK	0.01, 0.00, 0.44, 0.33
HSL	61°, 31%, 53%
HSV	61°, 44%, 67%
XYZ	33.7048, 39.0260, 17.0656
YIQ	163.1510, 23.4790, -23.5370

Conversions

Conversions Part 2

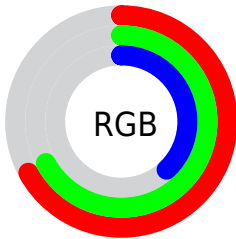
Format	Color
RYB	97, 172, 98
Decimal	11250785
CIELab	68.77, -11.48, 38.32
CIELCh	69, 40.006, 106.680
Yxy	39.0260, 0.3753, 0.4346
Android (android.graphics.Color)	4289440865 (0xFFABAC61)
YUV	163.1510, -32.6124, 6.8836
Hunter-Lab	62.4708, -13.0180, 27.5329

Details

The XYZ color **33.7048, 39.0260, 17.0656** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.7594, 14.1255, 40.8751**, and the grayscale version is **35.0264, 36.8505, 40.1302**.

A 20% lighter version of the original color is **64.8888, 73.6021, 39.2204**, and **14.5861, 17.4282, 5.3915** is the 20% darker color. If you saturate the color by 10%, you get **32.9385, 38.7151, 13.2878**, and if you desaturate by 10%, it is **34.6470, 39.4101, 21.7609**.

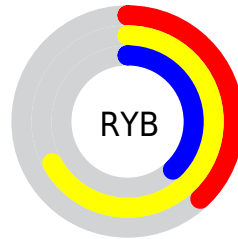
Distribution



Red (67%)

Green (67%)

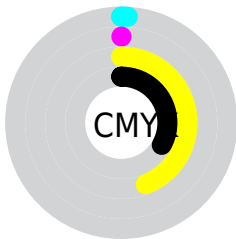
Blue (38%)



Red (38%)

Yellow (67%)

Blue (38%)

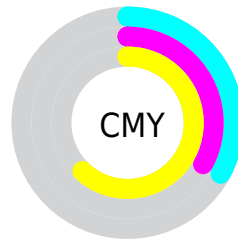


Cyan (1%)

Magenta (0%)

Yellow (44%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7048, 39.0260, 17.0656 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 33.7048, 39.0260, 17.0656 by changing the saturation by 10% instead.

■ 33.7048, 39.0260,
17.0656

■ 33.7048, 39.0260,
17.0656

310.4229,
342.0010, 247.6069

■ 22.8287, 26.7800,
10.1188

■ 64.8217, 73.6780,
39.2307

■ 14.5871, 17.4080,
5.3712

■ 85.7932, 96.8528,
55.2862

■ 8.6145, 10.5258,
2.4041

■ 110.8606,
124.4393, 75.2149

■ 4.5457, 5.7490,
0.7887

■ 140.3892,
156.8219, 99.4354

■ 2.0153, 2.6930,
0.0000

174.7444,
194.3849, 128.3664

■ 0.6425, 0.9737,
0.0000

214.2915,

■ 0.0000, 0.0000,

237.5129, 162.4262

0.0000

259.3959,
286.5901, 202.0336

■ 33.7048, 39.0260,
17.0656

■ 33.7048, 39.0260,
17.0656

■ 32.9385, 38.7151,
13.2878

■ 34.6470, 39.4101,
21.7609

■ 32.3339, 38.4675,
10.3652

■ 35.7726, 39.8661,
27.4257

■ 31.8793, 38.2798,
8.2318

■ 37.0921, 40.3998,
34.1110

■ 31.5600, 38.1464,
6.8108

■ 38.6143, 41.0145,
41.8635

■ 31.3586, 38.0601,
6.0102

■ 40.3476, 41.7136,
50.7271

■ 31.2664, 38.0195,
5.6906

■ 42.2999, 42.5004,
60.7431

■ 44.4785, 43.3777,
71.9508

■ 46.8906, 44.3484,
84.3876

■ 49.5430, 45.4153,
98.0893

Harmonies

Analogous

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



39.9716, 39.0260, 16.7790



33.7048, 39.0260, 17.0656



28.9163, 39.0260, 22.7673

Triad

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



33.7048, 39.0260, 17.0656



29.3462, 39.0260, 73.2696



50.2571, 39.0260, 51.0497

Complementary

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



33.7048, 39.0260, 17.0656



16.7594, 14.1255, 40.8751

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.



46.6819, 39.0260, 71.2095



33.7048, 39.0260, 17.0656



34.3562, 39.0260, 86.2945

Square

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



33.7048, 39.0260, 17.0656



26.6032, 39.0260, 53.3152



40.7011, 39.0260, 85.4483



50.0311, 39.0260, 33.2438

Rectangle

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



33.7048, 39.0260, 17.0656



26.9918, 39.0260, 30.1220



40.7011, 39.0260, 85.4483



49.4441, 39.0260, 57.8569

Sweetspot

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



33.7058, 39.0278, 17.0664



67.3828, 73.3258, 62.3669



23.4469, 18.1840, 13.5839



14.5247, 15.8872, 12.9491



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.



33.7058, 39.0278, 17.0664



59.8362, 70.2653, 24.5160



26.8231, 35.4796, 16.7443



8.6519, 9.3247, 8.5572



23.2700, 28.2932, 4.2347



0.6506, 0.7888, 0.1180

Inverse Universe

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



16.7594, 14.1255, 40.8751



25.1816, 19.3367, 73.2109



21.6336, 16.6383, 41.1032



7.5885, 7.7621, 10.0510



5.5666, 2.2295, 29.1815



0.1580, 0.0636, 0.8119

Previews

White Background



This preview shows how the XYZ color 33.7048, 39.0260, 17.0656 looks on a white background.

Color Contrast Check

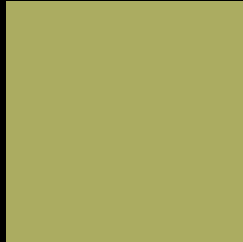
Large Text (above 18pt) WCAG AA × Fail

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 33.7048, 39.0260, 17.0656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

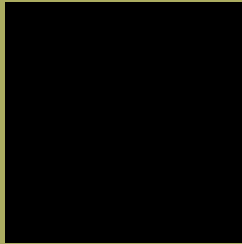
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7048, 39.0260, 17.0656

Background



This preview shows how black text looks on a background with the XYZ color 33.7048, 39.0260, 17.0656.



This preview shows how white text looks on a background with the XYZ color 33.7048, 39.0260,

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

33.7048, 39.0260, 17.0656

Protanopia

35.8354, 39.0218, 16.4697

Deuteranopia

39.7729, 38.8991, 17.4686



Tritanopia

39.7561, 39.0323, 46.5129

Trichromacy



Original Color

33.7048, 39.0260, 17.0656

Protanomaly

34.8897, 38.8042, 16.7174

Deuteranomaly

37.2658, 38.6582, 17.3020

Tritanomaly

37.0341, 38.7261, 33.1267

Monochromacy



Original Color

33.7048, 39.0260, 17.0656

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.0223, 37.2435, 29.8216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7048, 39.0260, 17.0656 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, 172, 97)` looks like.

```
.text, #text, p{  
    color:rgb(171, 172, 97)  
}
```

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, 172, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 172, 97) }
```

Border

The CSS property to change the border of an element to XYZ 33.7048, 39.0260, 17.0656 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, 172, 97) }
```


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

```
.border{ border-color:rgb(171, 172, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 172, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 172, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 172, 97);  
box-shadow:4px 4px 4px 4px rgb(171, 172,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7048, 39.0260, 17.0656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 172, 97) }
```

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

```
.background{ background-color: rgb(171,  
172, 97) }
```

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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