

Converting Colors

XYZ(34.0231, 37.3349, 18.9490)

Have a look what the booklet for
XYZ(34.0231, 37.3349, 18.9490)
contains.

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Color

**XYZ(33.9611, 37.1810,
19.0224)**

Conversions

Conversions Part 1

Format	Color
Hex	B0A56A
RGB	176, 165, 106
RGB Percent	69%, 65%, 42%
CMY	0.3098, 0.3529, 0.5843
CMYK	0.00, 0.06, 0.40, 0.31
HSL	51°, 31%, 55%
HSV	51°, 40%, 69%
XYZ	33.9611, 37.1810, 19.0224
YIQ	161.5630, 25.4950, -16.0170

Conversions

Conversions Part 2

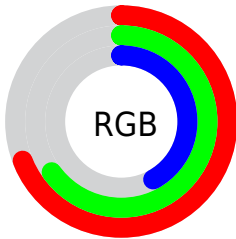
Format	Color
RYB	119, 176, 106
Decimal	11576682
CIELab	67.41, -4.74, 32.01
CIElCh	67, 32.357, 98.417
Yxy	37.1810, 0.3767, 0.4124
Android (android.graphics.Color)	4289766762 (0xFFB0A56A)
YUV	161.5630, -27.3926, 12.6612
Hunter-Lab	60.9762, -7.2917, 24.1870

Details

The XYZ color **33.9611, 37.1810, 19.0224** is a light color, and the websafe version is hex **999966**. A complement of this color would be **20.1414, 18.9207, 43.6646**, and the grayscale version is **34.2547, 36.0386, 39.2460**.

A 20% lighter version of the original color is **65.3690, 70.9787, 42.6027**, and **14.6697, 16.2432, 6.2330** is the 20% darker color. If you saturate the color by 10%, you get **32.6453, 35.8667, 14.5224**, and if you desaturate by 10%, it is **35.4774, 38.5954, 24.5168**.

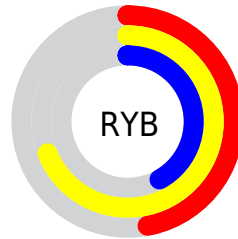
Distribution



Red (69%)

Green (65%)

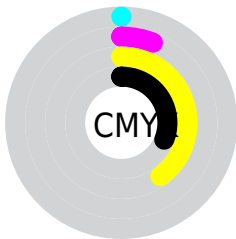
Blue (42%)



Red (47%)

Yellow (69%)

Blue (42%)

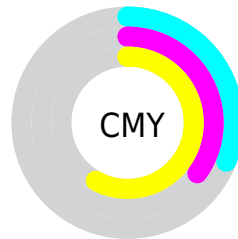


Cyan (0%)

Magenta (6%)

Yellow (40%)

Black (31%)



Cyan (31%)

Magenta (35%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9611, 37.1810, 19.0224 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 33.9611, 37.1810, 19.0224 by changing the saturation by 10% instead.

■ 33.9611, 37.1810,
19.0224

■ 33.9611, 37.1810,
19.0224

311.5475,
334.0935, 258.9992

■ 23.0265, 25.3477,
11.5095

■ 65.2179, 70.8511,
42.6091

■ 14.7339, 16.3363,
6.2922

■ 86.2707, 93.4566,
59.5201

■ 8.7179, 9.7624,
2.9519

■ 111.4270,
120.4217, 80.4007

■ 4.6133, 5.2417,
1.0701

■ 141.0521,
152.1306, 105.6697

■ 2.0546, 2.3898,
0.0000

175.5113,
188.9679, 135.7455

■ 0.6644, 0.8206,
0.0000

215.1701,

■ 0.0000, 0.0000,

231.3179, 171.0466

0.0000

260.3937,
279.5649, 211.9917

■ 33.9611, 37.1810,
19.0224

■ 33.9611, 37.1810,
19.0224

■ 32.6453, 35.8667,
14.5224

■ 35.4774, 38.5954,
24.5168

■ 31.5155, 34.6427,
10.9536

■ 37.2022, 40.1092,
31.0592

■ 30.5599, 33.5053,
8.2491

■ 39.1460, 41.7280,
38.7019

■ 29.7636, 32.4487,
6.3319

■ 41.3183, 43.4559,
47.4931

■ 29.1096, 31.4657,
5.1116

■ 43.7277, 45.2962,
57.4783

■ 28.5622, 30.5421,
4.4014

■ 46.3823, 47.2523,
68.7002

■ 28.5500, 30.5213,
4.3865

■ 49.2900, 49.3276,
81.1997

■ 52.4582, 51.5251,
95.0157

■ 54.3430, 53.2272,
102.0174

Harmonies

Analogous

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



38.9667, 37.1810, 20.0194



33.9611, 37.1810, 19.0224



29.7360, 37.1810, 22.6263

Triad

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



33.9611, 37.1810, 19.0224



28.3784, 37.1810, 59.9480



44.9750, 37.1810, 51.3904

Complementary

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



33.9611, 37.1810, 19.0224



20.1414, 18.9207, 43.6646

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.



41.6060, 37.1810, 65.8897



33.9611, 37.1810, 19.0224



31.9446, 37.1810, 71.5806

Square

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



33.9611, 37.1810, 19.0224



26.7162, 37.1810, 44.6168



36.7545, 37.1810, 73.9779



45.6432, 37.1810, 36.6142

Rectangle

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



33.9611, 37.1810, 19.0224



27.8185, 37.1810, 27.7926



36.7545, 37.1810, 73.9779



44.1066, 37.1810, 56.5478

Sweetspot

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



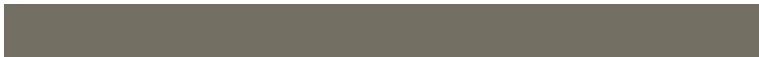
33.9620, 37.1827, 19.0232



70.1011, 74.9474, 66.6239



26.3090, 20.8386, 19.6720



15.0937, 16.1612, 14.0495



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



33.9620, 37.1827, 19.0232



59.4158, 65.2659, 27.0260



31.2010, 38.8311, 19.4869



9.0811, 9.6748, 9.0413



20.9829, 22.4643, 3.2301



0.6907, 0.7678, 0.1118

Inverse Universe

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



20.1414, 18.9207, 43.6646



30.7623, 27.4212, 78.1668



22.0948, 18.1364, 43.4102



8.1462, 8.4386, 10.7058



6.0771, 2.9545, 30.3870



0.2244, 0.1593, 0.9672

Previews

White Background



This preview shows how the XYZ color 33.9611, 37.1810, 19.0224 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 33.9611, 37.1810, 19.0224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

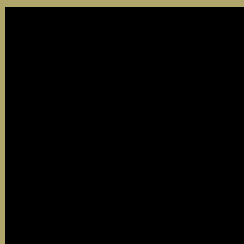
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.9611, 37.1810, 19.0224

Background



This preview shows how black text looks on a background with the XYZ color 33.9611, 37.1810, 19.0224.



This preview shows how white text looks on a background with the XYZ color 33.9611, 37.1810,

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

33.9611, 37.1810, 19.0224

Protanopia

34.4674, 37.1752, 18.9946

Deuteranopia

37.7897, 37.0670, 19.3503



Tritanopia

38.7468, 37.0458, 42.6445

Trichromacy



Original Color

33.9611, 37.1810, 19.0224

Protanomaly

34.2371, 37.0565, 18.9838

Deuteranomaly

36.2109, 37.0220, 19.1474

Tritanomaly

36.5815, 36.9202, 32.3924

Monochromacy



Original Color

33.9611, 37.1810, 19.0224

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.9160, 36.3629, 30.8224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9611, 37.1810, 19.0224 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(176, 165, 106)` looks like.

```
.text, #text, p{  
    color:rgb(176, 165, 106)  
}
```

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(176, 165, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 165, 106) }
```

Border

The CSS property to change the border of an element to XYZ 33.9611, 37.1810, 19.0224 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(176, 165, 106) }
```


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

```
.border{ border-color:rgb(176, 165, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 165, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 165, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 165, 106);  
box-shadow:4px 4px 4px 4px rgb(176, 165,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9611, 37.1810, 19.0224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 165, 106) }
```

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

```
.background{ background-color: rgb(176,  
165, 106) }
```

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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