

Converting Colors

XYZ(33.4911, 36.5522, 24.3589)

Have a look what the booklet for
XYZ(33.4911, 36.5522, 24.3589)
contains.

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Color

**XYZ(33.4911, 36.5522,
24.3589)**

Conversions

Conversions Part 1

Format	Color
Hex	AAA47C
RGB	170, 164, 124
RGB Percent	67%, 64%, 49%
CMY	0.3333, 0.3568, 0.5137
CMYK	0.00, 0.04, 0.27, 0.33
HSL	52°, 21%, 58%
HSV	52°, 27%, 67%
XYZ	33.4911, 36.5522, 24.3589
YIQ	161.2340, 16.4160, -11.1680

Conversions

Conversions Part 2

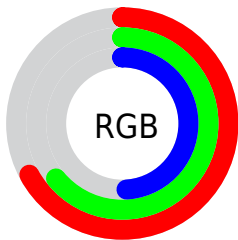
Format	Color
RYB	131, 170, 124
Decimal	11183228
CIELab	66.94, -4.34, 21.59
CIElCh	67, 22.020, 101.374
Yxy	36.5522, 0.3548, 0.3872
Android (android.graphics.Color)	4289373308 (0xFFAAA47C)
YUV	161.2340, -18.3564, 7.6878
Hunter-Lab	60.4584, -6.9217, 18.4327

Details

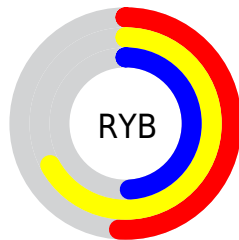
The XYZ color **33.4911, 36.5522, 24.3589** is a light color, and the websafe version is hex **999966**. A complement of this color would be **23.5504, 23.1520, 41.2578**, and the grayscale version is **34.0633, 35.8372, 39.0267**.

A 20% lighter version of the original color is **64.6314, 70.0061, 51.7011**, and **14.4003, 15.8782, 8.9624** is the 20% darker color. If you saturate the color by 10%, you get **32.1146, 35.3739, 19.0456**, and if you desaturate by 10%, it is **35.0617, 37.8218, 30.6523**.

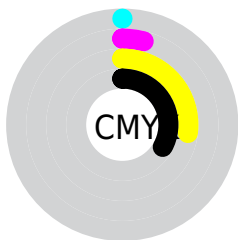
Distribution



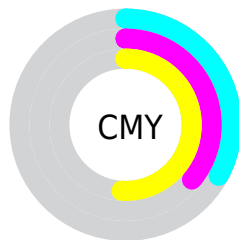
- Red (67%)
- Green (64%)
- Blue (49%)



- Red (51%)
- Yellow (67%)
- Blue (49%)



- Cyan (0%)
- Magenta (4%)
- Yellow (27%)
- Black (33%)



- Cyan (33%)
- Magenta (36%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4911, 36.5522, 24.3589 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 33.4911, 36.5522, 24.3589 by changing the saturation by 10% instead.

■ 33.4911, 36.5522,
24.3589

■ 33.4911, 36.5522,
24.3589

309.4829,
331.3677, 287.9747

■ 22.6640, 24.8610,
15.3854

■ 64.4911, 69.8835,
51.5664

■ 14.4649, 15.9735,
8.9407

■ 85.3946, 92.2924,
70.6375

■ 8.5286, 9.5054,
4.6062

■ 110.3876,
119.0426, 93.9115

■ 4.4896, 5.0723,
1.9635

139.8355,
150.5186, 121.8070

■ 1.9827, 2.2897,
0.5327

174.1037,
187.1047, 154.7426

■ 0.6242, 0.7683,
0.0000

213.5574,

■ 0.0000, 0.0000,

229.1853, 193.1367

0.0000

258.5620,
277.1449, 237.4079

■ 33.4911, 36.5522,
24.3589

■ 33.4911, 36.5522,
24.3589

■ 32.1146, 35.3739,
19.0456

■ 35.0617, 37.8218,
30.6523

■ 30.9200, 34.2780,
14.6598

■ 36.8326, 39.1813,
37.9699

■ 29.8977, 33.2620,
11.1480

■ 38.8129, 40.6358,
46.3561

■ 29.0363, 32.3212,
8.4498

■ 41.0105, 42.1884,
55.8518

■ 28.3228, 31.4505,
6.4974

■ 43.4327, 43.8422,
66.4959

■ 27.7423, 30.6437,
5.2118

■ 46.0867, 45.6000,
78.3253

■ 27.2724, 29.8919,
4.4759

■ 48.9792, 47.4645,
91.3754

■ 27.1426, 29.6761,
4.2975

■ 51.3006, 49.1121,
101.3835

■ 51.7572, 50.0252,
101.5357

Harmonies

Analogous

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



36.8328, 36.5522, 24.7954



33.4911, 36.5522, 24.3589



30.6690, 36.5522, 27.5353

Triad

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



33.4911, 36.5522, 24.3589



30.1436, 36.5522, 53.2300



41.1871, 36.5522, 45.9649

Complementary

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



33.4911, 36.5522, 24.3589



23.5504, 23.1520, 41.2578

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.



39.1600, 36.5522, 55.2514



33.4911, 36.5522, 24.3589



32.7314, 36.5522, 59.8873

Square

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



33.4911, 36.5522, 24.3589



28.8206, 36.5522, 43.5360



36.0232, 36.5522, 60.6813



41.4230, 36.5522, 36.2824

Rectangle

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



33.4911, 36.5522, 24.3589



29.4060, 36.5522, 31.6246



36.0232, 36.5522, 60.6813



40.6868, 36.5522, 49.2733

Sweetspot

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



33.4920, 36.5538, 24.3597



66.4613, 70.8139, 67.3565



27.8238, 24.5771, 24.4439



14.7114, 15.7088, 14.5635



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.



33.4920, 36.5538, 24.3597



59.3455, 65.1214, 38.6596



31.1751, 36.9901, 24.5660



8.0622, 8.6045, 8.0252



19.9952, 21.8876, 3.1709



0.5088, 0.5772, 0.0846

Inverse Universe

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



23.5504, 23.1520, 41.2578



38.4910, 37.0119, 74.1172



25.4256, 22.9691, 41.1237



7.2077, 7.4524, 9.4769



5.5750, 2.6102, 28.1855



0.1587, 0.1097, 0.6934

Previews

White Background



This preview shows how the XYZ color 33.4911, 36.5522, 24.3589 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 33.4911, 36.5522, 24.3589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

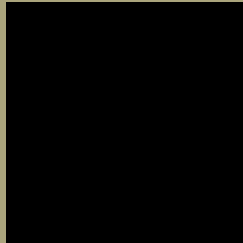
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.4911, 36.5522, 24.3589

Background



This preview shows how black text looks on a background with the XYZ color 33.4911, 36.5522, 24.3589.



This preview shows how white text looks on a background with the XYZ color 33.4911, 36.5522,

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

33.4911, 36.5522, 24.3589

Protanopia

34.1279, 36.6231, 24.0091

Deuteranopia

37.1402, 36.3597, 24.7993



Tritanopia

37.3871, 36.5861, 43.1215

Trichromacy



Original Color

33.4911, 36.5522, 24.3589

Protanomaly

33.9059, 36.5087, 23.9987

Deuteranomaly

35.6282, 36.3442, 24.5394

Tritanomaly

35.7761, 36.4402, 35.2850

Monochromacy



Original Color

33.4911, 36.5522, 24.3589

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.5755, 35.8713, 33.1712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4911, 36.5522, 24.3589 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, 164, 124)` looks like.

```
.text, #text, p{  
    color:rgb(170, 164, 124)  
}
```

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, 164, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 164, 124) }
```

Border

The CSS property to change the border of an element to XYZ 33.4911, 36.5522, 24.3589 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, 164, 124) }
```


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

```
.border{ border-color:rgb(170, 164, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 164, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 164, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 164, 124);  
box-shadow:4px 4px 4px 4px rgb(170, 164,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4911, 36.5522, 24.3589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 164, 124) }
```

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

```
.background{ background-color: rgb(170,  
164, 124) }
```

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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