

Converting Colors

XYZ(33.3983, 37.8642, 21.8897)

Have a look what the booklet for
XYZ(33.3983, 37.8642, 21.8897)
contains.

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Color

**XYZ(33.4309, 37.9386,
21.7805)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A973
RGB	168, 169, 115
RGB Percent	66%, 66%, 45%
CMY	0.3412, 0.3372, 0.5490
CMYK	0.01, 0.00, 0.32, 0.34
HSL	61°, 24%, 56%
HSV	61°, 32%, 66%
XYZ	33.4309, 37.9386, 21.7805
YIQ	162.5450, 16.7380, -17.0060

Conversions

Conversions Part 2

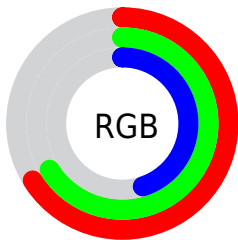
Format	Color
RYB	115, 169, 116
Decimal	11053427
CIELab	67.98, -9.02, 27.82
CIELCh	68, 29.243, 107.962
Yxy	37.9386, 0.3589, 0.4073
Android (android.graphics.Color)	4289243507 (0xFFA8A973)
YUV	162.5450, -23.4397, 4.7840
Hunter-Lab	61.5943, -10.9075, 22.1504

Details

The XYZ color **33.4309, 37.9386, 21.7805** is a light color, and the websafe version is hex **999966**. A complement of this color would be **20.4961, 18.8400, 40.0946**, and the grayscale version is **34.7005, 36.5076, 39.7568**.

A 20% lighter version of the original color is **64.3712, 71.9486, 47.0540**, and **14.4149, 16.7608, 7.6297** is the 20% darker color. If you saturate the color by 10%, you get **32.4798, 37.5518, 17.1167**, and if you desaturate by 10%, it is **34.5624, 38.4003, 27.3850**.

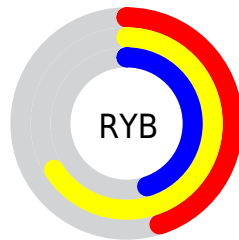
Distribution



Red (66%)

Green (66%)

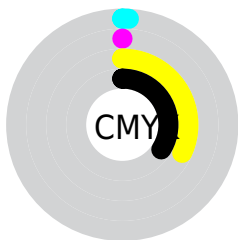
Blue (45%)



Red (45%)

Yellow (66%)

Blue (45%)

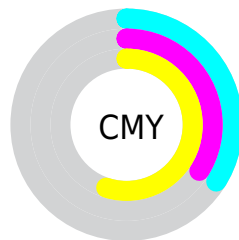


Cyan (1%)

Magenta (0%)

Yellow (32%)

Black (34%)



Cyan (34%)


Magenta (34%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4309, 37.9386, 21.7805 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 33.4309, 37.9386, 21.7805 by changing the saturation by 10% instead.


 33.4309, 37.9386,
21.7805


 33.4309, 37.9386,
21.7805


309.2177,
337.3565, 274.3139


 22.6176, 25.9350,
13.4989


 64.3979, 72.0140,
47.2805

 14.4305, 16.7750,
7.6383


 85.2822, 94.8547,
65.3360

 8.5044, 10.0742,
3.7799


 110.2543,
122.0765, 87.4865

 4.4739, 5.4482,
1.5054

139.6794,
154.0638, 114.1506

 1.9735, 2.5126,
0.2219

173.9230,
191.2011, 145.7469

 0.6190, 0.8829,
0.0000

213.3503,

 0.0000, 0.0000,

233.8727, 182.6938

0.0000

258.3268,
282.4630, 225.4100

■ 33.4309, 37.9386,
21.7805

■ 33.4309, 37.9386,
21.7805

■ 32.4798, 37.5518,
17.1167

■ 34.5624, 38.4003,
27.3850

■ 31.6964, 37.2307,
13.3398

■ 35.8805, 38.9353,
33.9753

■ 31.0711, 36.9729,
10.3943


■ 37.3945, 39.5487,
41.5965


■ 30.5920, 36.7736,
8.2174


■ 39.1123, 40.2436,
50.2900


■ 30.2453, 36.6273,
6.7377

■ 41.0414, 41.0230,
60.0952


 30.0151, 36.5275,
5.8699

 43.1889, 41.8899,
71.0494

 29.8855, 36.4696,
5.4642

 45.5614, 42.8467,
83.1882

 48.1655, 43.8963,
96.5456

 48.9963, 44.2365,
100.5638

Harmonies

Analogous

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



37.9131, 37.9386, 21.3465



33.4309, 37.9386, 21.7805



29.9502, 37.9386, 26.7128

Triad

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



33.4309, 37.9386, 21.7805



30.5181, 37.9386, 62.8262



45.3001, 37.9386, 46.7518

Complementary

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



33.4309, 37.9386, 21.7805



20.4961, 18.8400, 40.0946

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.



42.9477, 37.9386, 60.4381



33.4309, 37.9386, 21.7805



34.2673, 37.9386, 70.9418

Square

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



33.4309, 37.9386, 21.7805



28.3684, 37.9386, 49.5183



38.8224, 37.9386, 69.9859



45.0285, 37.9386, 34.0606

Rectangle

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



33.4309, 37.9386, 21.7805



28.5499, 37.9386, 32.6108



38.8224, 37.9386, 69.9859



44.7824, 37.9386, 51.4301

Sweetspot

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



33.4319, 37.9403, 21.7813



64.7113, 69.9112, 63.1294



25.6918, 22.1415, 19.1398



14.0289, 15.2071, 13.3813



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



33.4319, 37.9403, 21.7813



58.6900, 67.4632, 33.2083



28.2855, 35.2872, 21.5405



8.1329, 8.7666, 8.0527



22.2775, 27.1817, 4.0724



0.5462, 0.6635, 0.0993

Inverse Universe

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



20.4961, 18.8400, 40.0946



32.0265, 28.0911, 70.9592



24.6037, 20.9576, 40.2868



7.1442, 7.3069, 9.4522



5.3718, 2.1527, 28.1079



0.1346, 0.0544, 0.6841

Previews

White Background



This preview shows how the XYZ color 33.4309, 37.9386, 21.7805 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 33.4309, 37.9386, 21.7805 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

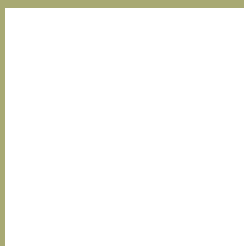
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4309, 37.9386, 21.7805

Background



This preview shows how black text looks on a background with the XYZ color 33.4309, 37.9386, 21.7805.



This preview shows how white text looks on a background with the XYZ color 33.4309, 37.9386,

21.7805.

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

33.4309, 37.9386, 21.7805

Protanopia

35.0828, 37.7089, 21.3491

Deuteranopia

38.6350, 37.9509, 22.1186



Tritanopia

38.2395, 38.0106, 45.3657

Trichromacy



Original Color

33.4309, 37.9386, 21.7805

Protanomaly

34.3527, 37.6013, 21.3668

Deuteranomaly

36.4993, 37.8944, 21.9136

Tritanomaly

36.2182, 37.9808, 35.5591

Monochromacy



Original Color

33.4309, 37.9386, 21.7805

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.1605, 36.9849, 32.5325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4309, 37.9386, 21.7805 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(168, 169, 115)` looks like.

```
.text, #text, p{  
    color:rgb(168, 169, 115)  
}
```

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(168, 169, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 169, 115) }
```

Border

The CSS property to change the border of an element to XYZ 33.4309, 37.9386, 21.7805 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(168, 169, 115) }
```


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

```
.border{ border-color:rgb(168, 169, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 169, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 169, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 169, 115);  
box-shadow:4px 4px 4px 4px rgb(168, 169,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4309, 37.9386, 21.7805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 169, 115) }
```

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

```
.background{ background-color: rgb(168,  
169, 115) }
```

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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