

Converting Colors

XYZ(33.8310, 38.8779, 29.4528)

Have a look what the booklet for
XYZ(33.8310, 38.8779, 29.4528)
contains.

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Color

**XYZ(33.7651, 38.7848,
29.3735)**

Conversions

Conversions Part 1

Format	Color
Hex	A0AC89
RGB	160, 172, 137
RGB Percent	63%, 67%, 54%
CMY	0.3725, 0.3255, 0.4627
CMYK	0.07, 0.00, 0.20, 0.33
HSL	81°, 17%, 61%
HSV	81°, 20%, 67%
XYZ	33.7651, 38.7848, 29.3735
YIQ	164.4220, 4.0830, -13.4290

Conversions

Conversions Part 2

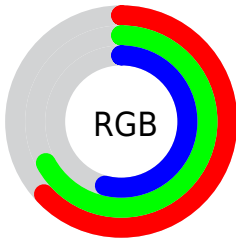
Format	Color
RYB	137, 172, 149
Decimal	10529929
CIELab	68.60, -10.52, 16.62
CIElCh	69, 19.672, 122.320
Yxy	38.7848, 0.3313, 0.3805
Android (android.graphics.Color)	4288720009 (0xFFA0AC89)
YUV	164.4220, -13.5190, -3.8781
Hunter-Lab	62.2774, -12.2078, 15.6298

Details

The XYZ color **33.7651, 38.7848, 29.3735** is a light color, and the websafe version is hex **999966**. A complement of this color would be **28.7880, 27.2605, 42.7764**, and the grayscale version is **35.5497, 37.4011, 40.7298**.

A 20% lighter version of the original color is **64.7877, 73.1029, 59.4108**, and **14.6211, 17.3092, 11.5872** is the 20% darker color. If you saturate the color by 10%, you get **31.4773, 37.7379, 23.3312**, and if you desaturate by 10%, it is **36.3077, 39.9426, 36.4562**.

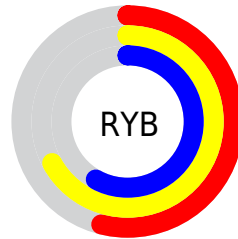
Distribution



Red (63%)

Green (67%)

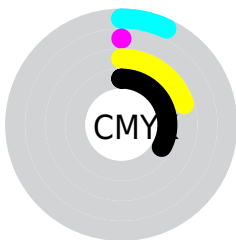
Blue (54%)



Red (54%)

Yellow (67%)

Blue (58%)

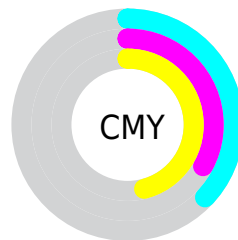


Cyan (7%)

Magenta (0%)

Yellow (20%)

Black (33%)



Cyan (37%)

Magenta (33%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7651, 38.7848, 29.3735 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 33.7651, 38.7848, 29.3735 by changing the saturation by 10% instead.

■ 33.7651, 38.7848,
29.3735

■ 33.7651, 38.7848,
29.3735

310.6877,
340.9747, 313.0891

■ 22.8752, 26.5924,
19.1155

■ 64.9149, 73.3095,
59.7192

■ 14.6216, 17.2673,
11.5761

■ 85.9056, 96.4104,
80.6441

■ 8.6388, 10.4253,
6.3367

■ 110.9939,
123.9164, 105.9616

■ 4.5616, 5.6818,
2.9788

140.5453,
156.2118, 136.0905

■ 2.0245, 2.6526,
1.0838

174.9250,
193.6809, 171.4491

■ 0.6477, 0.9532,
0.0000

214.4984,

■ 0.0000, 0.0000,

236.7081, 212.4560

0.0000

259.6308,
285.6779, 259.5298

■ 33.7651, 38.7848,
29.3735

■ 33.7651, 38.7848,
29.3735

■ 31.4773, 37.7379,
23.3312

■ 36.3077, 39.9426,
36.4562

■ 29.4311, 36.7928,
18.2777

■ 39.1113, 41.2101,
44.6224

■ 27.6167, 35.9467,
14.1608

■ 42.1861, 42.5927,
53.9161

■ 26.0223, 35.1948,
10.9226

■ 45.5403, 44.0937,
64.3779

■ 24.6348, 34.5317,
8.4988

■ 49.1820, 45.7166,
76.0466

■ 23.4396, 33.9516,
6.8161

■ 53.1190, 47.4645,
88.9589

■ 22.4195, 33.4474,
5.7884

■ 56.9690, 49.1845,
101.0987

■ 21.5657, 33.0186,
5.2366

■ 58.5884, 50.0194,
101.1745

■ 60.2694, 50.8860,
101.2532

Harmonies

Analogous

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



36.6228, 38.7848, 27.3545



33.7651, 38.7848, 29.3735



31.8287, 38.7848, 34.7794

Triad

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



33.7651, 38.7848, 29.3735



34.1611, 38.7848, 59.2406



43.1523, 38.7848, 41.5423

Complementary

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



33.7651, 38.7848, 29.3735



28.7880, 27.2605, 42.7764

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.



42.4037, 38.7848, 50.6753



33.7651, 38.7848, 29.3735



37.1058, 38.7848, 61.7071

Square

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



33.7651, 38.7848, 29.3735



32.0482, 38.7848, 52.0400



40.1465, 38.7848, 58.3782



42.1391, 38.7848, 33.7376

Rectangle

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



33.7651, 38.7848, 29.3735



31.2615, 38.7848, 39.9873



40.1465, 38.7848, 58.3782



43.0983, 38.7848, 44.5551

Sweetspot

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



33.7661, 38.7865, 29.3743



67.9626, 73.4083, 72.1732



32.2248, 31.9676, 28.1394



14.7018, 15.9225, 15.4875



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.



33.7661, 38.7865, 29.3743



59.5050, 69.5614, 48.5910



30.5680, 37.1378, 29.2247



8.3919, 9.1906, 8.5450



16.1081, 24.6011, 3.8995



0.5037, 0.7130, 0.1111

Inverse Universe

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



28.7880, 27.2605, 42.7764



48.9753, 45.1779, 76.9447



32.1543, 28.9959, 42.9339



7.8282, 7.8857, 10.0622



6.9367, 2.9359, 29.2456



0.2527, 0.1124, 0.8164

Previews

White Background



This preview shows how the XYZ color 33.7651, 38.7848, 29.3735 looks on a white background.

Color Contrast Check

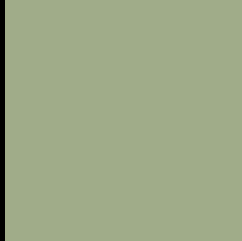
Large Text (above 18pt) WCAG AA × Fail

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 33.7651, 38.7848, 29.3735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

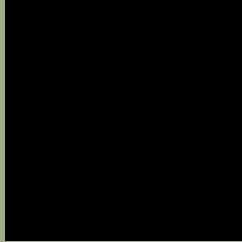
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7651, 38.7848, 29.3735

Background



This preview shows how black text looks on a background with the XYZ color 33.7651, 38.7848, 29.3735.



This preview shows how white text looks on a background with the XYZ color 33.7651, 38.7848,

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

33.7651, 38.7848, 29.3735

Protanopia

36.3234, 38.7338, 28.4836

Deuteranopia

39.3974, 38.6913, 29.8178



Tritanopia

37.4988, 38.6341, 48.1286

Trichromacy



Original Color

33.7651, 38.7848, 29.3735

Protanomaly

35.4265, 38.8114, 28.9167

Deuteranomaly

37.0986, 38.5690, 29.5340

Tritanomaly

36.0133, 38.5781, 40.6702

Monochromacy



Original Color

33.7651, 38.7848, 29.3735

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.7557, 37.7571, 36.0279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7651, 38.7848, 29.3735 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(160, 172, 137)` looks like.

```
.text, #text, p{  
    color:rgb(160, 172, 137)  
}
```

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(160, 172, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 172, 137) }
```

Border

The CSS property to change the border of an element to XYZ 33.7651, 38.7848, 29.3735 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(160, 172, 137) }
```


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

```
.border{ border-color:rgb(160, 172, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 172, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 172, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 172, 137);  
box-shadow:4px 4px 4px 4px rgb(160, 172,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7651, 38.7848, 29.3735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 172, 137) }
```

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

```
.background{ background-color: rgb(160,  
172, 137) }
```

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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