

Converting Colors

XYZ(33.0617, 36.2984, 29.9480)

Have a look what the booklet for
XYZ(33.0617, 36.2984, 29.9480)
contains.

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Color

**XYZ(33.1133, 36.2309,
30.0589)**

Conversions

Conversions Part 1

Format	Color
Hex	A3A48C
RGB	163, 164, 140
RGB Percent	64%, 64%, 55%
CMY	0.3608, 0.3568, 0.4510
CMYK	0.01, 0.00, 0.15, 0.36
HSL	63°, 12%, 60%
HSV	63°, 15%, 64%
XYZ	33.1133, 36.2309, 30.0589
YIQ	160.9650, 7.1080, -7.6760

Conversions

Conversions Part 2

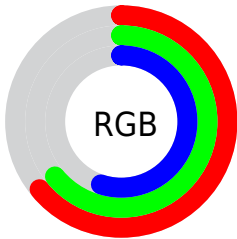
Format	Color
RYB	140, 164, 141
Decimal	10724492
CIELab	66.70, -4.62, 12.35
CIELCh	67, 13.190, 110.526
Yxy	36.2309, 0.3331, 0.3645
Android (android.graphics.Color)	4288914572 (0xFFA3A48C)
YUV	160.9650, -10.3357, 1.7847
Hunter-Lab	60.1921, -7.1385, 12.5261

Details

The XYZ color **33.1133, 36.2309, 30.0589** is a light color, and the websafe version is hex **999999**. A complement of this color would be **27.0649, 27.1002, 38.9284**, and the grayscale version is **33.9050, 35.6707, 38.8454**.

A 20% lighter version of the original color is **63.9826, 69.4635, 61.0745**, and **14.1952, 15.7060, 11.9563** is the 20% darker color. If you saturate the color by 10%, you get **31.8534, 35.7120, 24.1509**, and if you desaturate by 10%, it is **34.5562, 36.8255, 36.9178**.

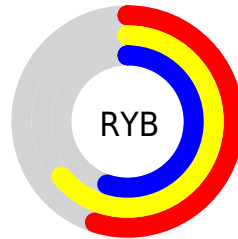
Distribution



Red (64%)

Green (64%)

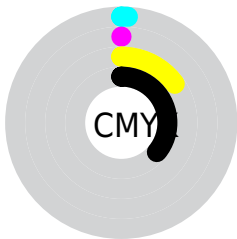
Blue (55%)



Red (55%)

Yellow (64%)

Blue (55%)

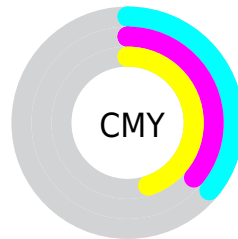


Cyan (1%)

Magenta (0%)

Yellow (15%)

Black (36%)



Cyan (36%)

Magenta (36%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1133, 36.2309, 30.0589 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 33.1133, 36.2309, 30.0589 by changing the saturation by 10% instead.

■ 33.1133, 36.2309,
30.0589

■ 33.1133, 36.2309,
30.0589

307.8159,
329.9686, 316.3948

■ 22.3729, 24.6126,
19.6309

■ 63.9059, 69.3883,
60.8174

■ 14.2493, 15.7886,
11.9456

■ 84.6888, 91.6962,
81.9850

■ 8.3771, 9.3747,
6.5846

■ 109.5499,
118.3360, 107.5695

■ 4.3910, 4.9864,
3.1292

138.8545,
149.6922, 137.9894

■ 1.9256, 2.2393,
1.1610

172.9681,
186.1492, 173.6634

■ 0.5917, 0.7413,
0.0000

212.2560,

■ 0.0000, 0.0000,

228.0913, 215.0099

0.0000

257.0834,
275.9030, 262.4475

■ 33.1133, 36.2309,
30.0589

■ 33.1133, 36.2309,
30.0589

■ 31.8534, 35.7120,
24.1509

■ 34.5562, 36.8255,
36.9178

■ 30.7656, 35.2607,
19.1497

■ 36.1867, 37.4941,
44.7647

■ 29.8423, 34.8754,
15.0111

■ 38.0127, 38.2409,
53.6372

■ 29.0744, 34.5523,
11.6862

■ 40.0409, 39.0687,
63.5706

■ 28.4515, 34.2873,
9.1214

■ 42.2776, 39.9801,
74.5982

■ 27.9623, 34.0759,
7.2566

■ 44.7291, 40.9773,
86.7522

■ 27.5936, 33.9128,
6.0224

■ 47.4010, 42.0629,
100.0632

■ 27.3294, 33.7915,
5.3346

■ 47.5787, 42.1509,
100.2360

■ 27.2092, 33.7352,
5.0775

■ 47.7256, 42.2267,
100.2429

Harmonies

Analogous

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



35.0694, 36.2309, 29.6059



33.1133, 36.2309, 30.0589



31.5690, 36.2309, 32.8906

Triad

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



33.1133, 36.2309, 30.0589



32.0629, 36.2309, 48.5181



38.3463, 36.2309, 41.2789

Complementary

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



33.1133, 36.2309, 30.0589



27.0649, 27.1002, 38.9284

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.



37.4723, 36.2309, 46.8266



33.1133, 36.2309, 30.0589



33.8110, 36.2309, 51.2634

Square

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



33.1133, 36.2309, 30.0589



30.9790, 36.2309, 43.4140



35.7942, 36.2309, 50.6162



38.1419, 36.2309, 35.7337

Rectangle

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



33.1133, 36.2309, 30.0589



30.9566, 36.2309, 35.9109



35.7942, 36.2309, 50.6162



38.1676, 36.2309, 43.2128

Sweetspot

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



33.1143, 36.2325, 30.0597



62.8785, 66.9051, 67.7583



29.5400, 28.7777, 28.8091



13.7023, 14.6086, 14.6017



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



33.1143, 36.2325, 30.0597



59.2196, 65.3995, 50.3920



30.8101, 35.0446, 29.9518



7.6200, 8.2221, 7.5655



20.8718, 25.8703, 3.8934



0.4469, 0.5479, 0.0822

Inverse Universe

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



27.0649, 27.1002, 38.9284



45.8087, 45.1538, 70.0535



29.1792, 28.1901, 39.0273



6.7266, 6.8734, 8.8752



5.2140, 2.0944, 27.0592



0.1173, 0.0480, 0.5689

Previews

White Background



This preview shows how the XYZ color 33.1133, 36.2309, 30.0589 looks on a white background.

Color Contrast Check

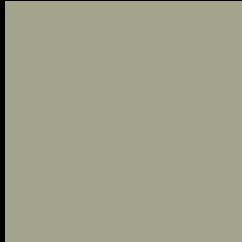
Large Text (above 18pt) WCAG AA × Fail

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 33.1133, 36.2309, 30.0589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

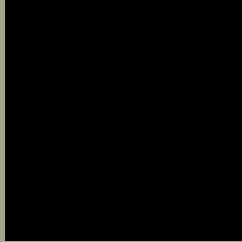
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

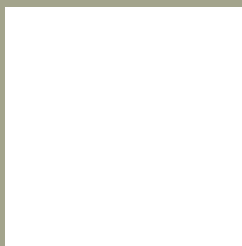
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1133, 36.2309, 30.0589

Background



This preview shows how black text looks on a background with the XYZ color 33.1133, 36.2309, 30.0589.



This preview shows how white text looks on a background with the XYZ color 33.1133, 36.2309, 30.0589.

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

33.1133, 36.2309, 30.0589

Protanopia

34.1581, 36.2508, 29.6229

Deuteranopia

36.7785, 36.0442, 30.6100



Tritanopia

35.7809, 35.9903, 44.0907

Trichromacy



Original Color

33.1133, 36.2309, 30.0589

Protanomaly

33.6937, 36.2740, 29.6518

Deuteranomaly

35.3373, 36.0665, 30.2984

Tritanomaly

34.8159, 36.1348, 38.3974

Monochromacy



Original Color

33.1133, 36.2309, 30.0589

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.5704, 35.8220, 35.2820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1133, 36.2309, 30.0589 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(163, 164, 140)` looks like.

```
.text, #text, p{  
    color:rgb(163, 164, 140)  
}
```

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(163, 164, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 164, 140) }
```

Border

The CSS property to change the border of an element to XYZ 33.1133, 36.2309, 30.0589 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(163, 164, 140) }
```


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

```
.border{ border-color:rgb(163, 164, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 164, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 164, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 164, 140);  
box-shadow:4px 4px 4px 4px rgb(163, 164,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1133, 36.2309, 30.0589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 164, 140) }
```

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

```
.background{ background-color: rgb(163,  
164, 140) }
```

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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