

Converting Colors

XYZ(30.2969, 33.5237, 32.7895)

Have a look what the booklet for
XYZ(30.2969, 33.5237, 32.7895)
contains.

XYZ(30.3211, 33.4184, 32.8693)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.3211, 33.4184,
32.8693)**

Conversions

Conversions Part 1

Format	Color
Hex	969F94
RGB	150, 159, 148
RGB Percent	59%, 62%, 58%
CMY	0.4118, 0.3765, 0.4196
CMYK	0.06, 0.00, 0.07, 0.38
HSL	109°, 5%, 60%
HSV	109°, 7%, 62%
XYZ	30.3211, 33.4184, 32.8693
YIQ	155.0550, -1.8330, -5.3290

Conversions

Conversions Part 2

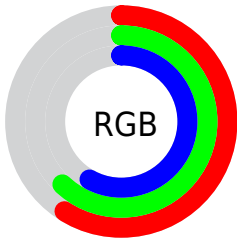
Format	Color
RYB	148, 159, 157
Decimal	9871252
CIELab	64.50, -5.33, 4.62
CIELCh	64, 7.059, 139.065
Yxy	33.4184, 0.3139, 0.3459
Android (android.graphics.Color)	4288061332 (0xFF969F94)
YUV	155.0550, -3.4781, -4.4332
Hunter-Lab	57.8086, -7.5405, 6.7545

Details

The XYZ color **30.3211, 33.4184, 32.8693** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.7538, 30.8520, 37.1367**, and the grayscale version is **31.1963, 32.8209, 35.7420**.

A 20% lighter version of the original color is **59.6091, 65.1948, 65.3192**, and **12.6658, 14.2408, 13.3905** is the 20% darker color. If you saturate the color by 10%, you get **26.8855, 31.7838, 26.5839**, and if you desaturate by 10%, it is **34.1973, 35.2621, 40.0793**.

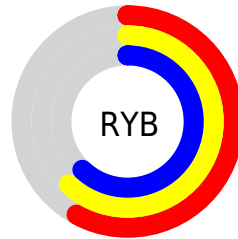
Distribution



Red (59%)

Green (62%)

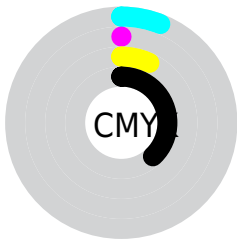
Blue (58%)



Red (58%)

Yellow (62%)

Blue (62%)

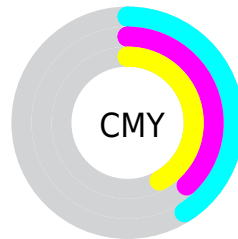


Cyan (6%)

Magenta (0%)

Yellow (7%)

Black (38%)



Cyan (41%)

Magenta (38%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3211, 33.4184, 32.8693 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 30.3211, 33.4184, 32.8693 by changing the saturation by 10% instead.

■ 30.3211, 33.4184,
32.8693

■ 30.3211, 33.4184,
32.8693

295.2814,
317.5309, 329.6743

■ 20.2317, 22.4472,
21.7560

■ 59.5528, 65.0282,
65.2851

■ 12.6728, 14.1858,
13.4812

■ 79.4257, 86.4356,
87.4247

■ 7.2791, 8.2500,
7.6261

103.2907,
112.0904, 114.0768

■ 3.6851, 4.2554,
3.7723

131.5128,
142.3771, 145.6600

■ 1.5256, 1.8174,
1.5013

164.4576,
177.6802, 182.5928

■ 0.3431, 0.4980,
0.2189

202.4904,

■ 0.0000, 0.0000,

218.3839, 225.2938

0.0000

245.9765,
264.8726, 274.1814

■ 30.3211, 33.4184,
32.8693

■ 30.3211, 33.4184,
32.8693

■ 26.8855, 31.7838,
26.5839

■ 34.1973, 35.2621,
40.0793

■ 23.8721, 30.3468,
21.1835

■ 38.5263, 37.3174,
48.2468

■ 21.2653, 29.1010,
16.6292

■ 43.3230, 39.5925,
57.4059

■ 19.0473, 28.0383,
12.8779

■ 48.6011, 42.0935,
67.5883

■ 17.1991, 27.1499,
9.8831

■ 54.3735, 44.8266,
78.8243

■ 15.7001, 26.4263,
7.5933

■ 60.6526, 47.7975,
91.1429

■ 14.5273, 25.8568,
5.9508

■ 66.7498, 50.7314,
100.8818

■ 13.6553, 25.4299,
4.8885

■ 71.3529, 53.1044,
101.0972

■ 13.0498, 25.1301,
4.3034

■ 71.6888, 53.2776,
101.1129

Harmonies

Analogous

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



31.1342, 33.4184, 31.3879



30.3211, 33.4184, 32.8693



29.8976, 33.4184, 35.3440

Triad

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



30.3211, 33.4184, 32.8693



31.3969, 33.4184, 42.1147



33.6308, 33.4184, 34.6034

Complementary

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



30.3211, 33.4184, 32.8693



30.7538, 30.8520, 37.1367

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.



33.7048, 33.4184, 37.4503



30.3211, 33.4184, 32.8693



32.4006, 33.4184, 41.8905

Square

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



30.3211, 33.4184, 32.8693



30.5099, 33.4184, 40.7443



33.2503, 33.4184, 40.1470



33.0503, 33.4184, 32.3519

Rectangle

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



30.3211, 33.4184, 32.8693



29.8871, 33.4184, 37.2687



33.2503, 33.4184, 40.1470



33.7162, 33.4184, 35.5192

Sweetspot

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



30.3220, 33.4198, 32.8700



57.5892, 61.4124, 64.9561



31.6989, 33.6189, 32.8359



13.0020, 13.8542, 14.6789



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



30.3220, 33.4198, 32.8700



53.5008, 59.4680, 57.3888



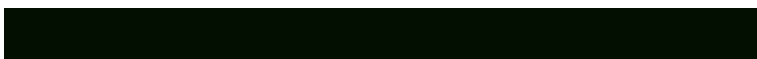
30.2372, 33.3437, 34.3276



6.6576, 7.4562, 7.0740



10.2173, 19.8039, 3.2840



0.2099, 0.3681, 0.0600

Inverse Universe

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



30.7538, 30.8520, 37.1367



54.4044, 54.0946, 66.3173



30.8491, 30.9356, 35.5849



6.7859, 6.6936, 8.3410



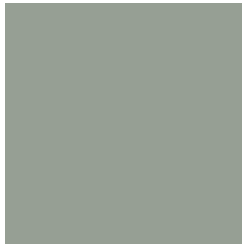
12.2582, 5.7484, 26.3707



0.2474, 0.1173, 0.4728

Previews

White Background



This preview shows how the XYZ color 30.3211, 33.4184, 32.8693 looks on a white background.

Color Contrast Check

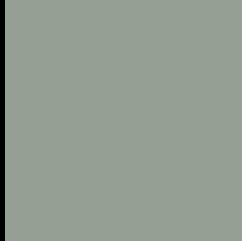
Large Text (above 18pt) WCAG AA × Fail

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 30.3211, 33.4184, 32.8693 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

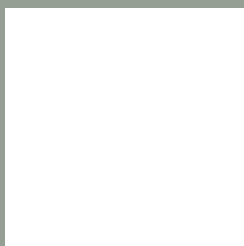
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3211, 33.4184, 32.8693

Background



This preview shows how black text looks on a background with the XYZ color 30.3211, 33.4184, 32.8693.



This preview shows how white text looks on a background with the XYZ color 30.3211, 33.4184,

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

30.3211, 33.4184, 32.8693

Protanopia

31.7747, 33.4293, 31.9719

Deuteranopia

34.0272, 33.3339, 33.4948



Tritanopia

32.0932, 33.3764, 41.7966

Trichromacy



Original Color

30.3211, 33.4184, 32.8693

Protanomaly

31.2281, 33.3886, 32.4025

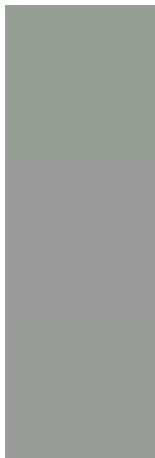
Deuteranomaly

32.4975, 33.2805, 33.1447

Tritanomaly

31.4389, 33.3626, 38.5008

Monochromacy



Original Color

30.3211, 33.4184, 32.8693

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.6928, 32.8162, 34.4222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3211, 33.4184, 32.8693 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(150, 159, 148)` looks like.

```
.text, #text, p{  
    color:rgb(150, 159, 148)  
}
```

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(150, 159, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 159, 148) }
```

Border

The CSS property to change the border of an element to XYZ 30.3211, 33.4184, 32.8693 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(150, 159, 148) }
```


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

```
.border{ border-color:rgb(150, 159, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 159, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 159, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 159, 148);  
box-shadow:4px 4px 4px 4px rgb(150, 159,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3211, 33.4184, 32.8693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 159, 148) }
```

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

```
.background{ background-color: rgb(150,  
159, 148) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor