

Converting Colors

XYZ(31.8155, 33.6730, 29.8340)

Have a look what the booklet for
XYZ(31.8155, 33.6730, 29.8340)
contains.

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Color

**XYZ(31.9689, 33.8236,
30.0430)**

Conversions

Conversions Part 1

Format	Color
Hex	A39D8D
RGB	163, 157, 141
RGB Percent	64%, 62%, 55%
CMY	0.3608, 0.3843, 0.4471
CMYK	0.00, 0.04, 0.13, 0.36
HSL	44°, 11%, 60%
HSV	44°, 13%, 64%
XYZ	31.9689, 33.8236, 30.0430
YIQ	156.9700, 8.7120, -3.7040

Conversions

Conversions Part 2

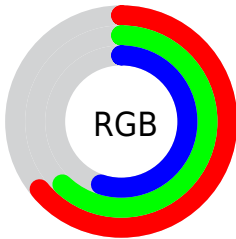
Format	Color
RYB	149, 163, 141
Decimal	10722701
CIELab	64.82, -0.65, 9.14
CIELCh	65, 9.168, 94.061
Yxy	33.8236, 0.3336, 0.3529
Android (android.graphics.Color)	4288912781 (0xFFA39D8D)
YUV	156.9700, -7.8732, 5.2883
Hunter-Lab	58.1581, -3.6570, 10.0829

Details

The XYZ color **31.9689, 33.8236, 30.0430** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.0289, 29.1737, 38.8042**, and the grayscale version is **32.0666, 33.7366, 36.7392**.

A 20% lighter version of the original color is **62.3073, 65.9325, 61.0721**, and **13.5979, 14.4429, 11.9686** is the 20% darker color. If you saturate the color by 10%, you get **30.1065, 31.8989, 23.8725**, and if you desaturate by 10%, it is **34.0390, 35.8774, 37.1643**.

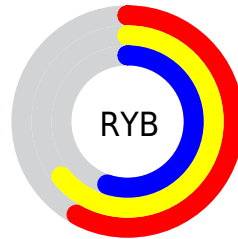
Distribution



Red (64%)

Green (62%)

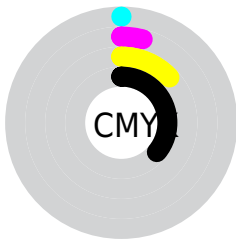
Blue (55%)



Red (58%)

Yellow (64%)

Blue (55%)

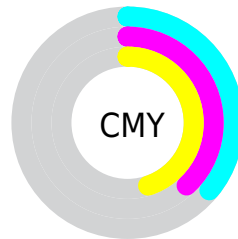


Cyan (0%)

Magenta (4%)

Yellow (13%)

Black (36%)



Cyan (36%)

Magenta (38%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9689, 33.8236, 30.0430 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 31.9689, 33.8236, 30.0430 by changing the saturation by 10% instead.

■ 31.9689, 33.8236,
30.0430

■ 31.9689, 33.8236,
30.0430

302.7254,
319.3448, 316.3184

■ 21.4932, 22.7581,
19.6189

■ 62.1279, 65.6593,
60.7920

■ 13.5995, 14.4150,
11.9370

■ 82.5418, 87.1982,
81.9539

■ 7.9225, 8.4099,
6.5788

■ 106.9992,
112.9971, 107.5323

■ 4.0968, 4.3583,
3.1257

135.8654,
143.4404, 137.9455

■ 1.7570, 1.8760,
1.1592

169.5058,
178.9124, 173.6122

■ 0.4916, 0.5339,
0.0000

208.2856,

■ 0.0000, 0.0000,

219.7975, 214.9509

0.0000

252.5704,
266.4802, 262.3801

■ 31.9689, 33.8236,
30.0430

■ 31.9689, 33.8236,
30.0430

■ 30.1065, 31.8989,
23.8725

■ 34.0390, 35.8774,
37.1643

■ 28.4411, 30.0950,
18.6095

■ 36.3216, 38.0593,
45.2728

■ 26.9648, 28.4097,
14.2109

■ 38.8248, 40.3741,
54.4054

■ 25.6684, 26.8387,
10.6288

■ 41.5555, 42.8249,
64.5967

■ 24.5417, 25.3774,
7.8110

■ 44.5201, 45.4148,
75.8796

■ 23.5732, 24.0207,
5.6989

■ 47.7249, 48.1466,
88.2855

■ 22.7499, 22.7630,
4.2256

■ 51.1594, 51.0168,
101.7586

■ 22.0563, 21.5975,
3.3109

■ 52.1238, 52.9456,
102.0800

■ 21.6506, 20.8791,
2.8890

■ 53.1177, 54.9334,
102.4113

Harmonies

Analogous

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



33.2713, 33.8236, 30.6707



31.9689, 33.8236, 30.0430



30.7477, 33.8236, 31.1286

Triad

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



31.9689, 33.8236, 30.0430



30.0912, 33.8236, 41.0511



34.4851, 33.8236, 40.1000

Complementary

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



31.9689, 33.8236, 30.0430



28.0289, 29.1737, 38.8042

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.



33.5909, 33.8236, 43.1841



31.9689, 33.8236, 30.0430



31.0509, 33.8236, 43.7591

Square

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



31.9689, 33.8236, 30.0430



29.6825, 33.8236, 37.3453



32.3284, 33.8236, 44.5649



34.7470, 33.8236, 36.3157

Rectangle

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



31.9689, 33.8236, 30.0430



30.1369, 33.8236, 32.7246



32.3284, 33.8236, 44.5649



34.2473, 33.8236, 41.2612

Sweetspot

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



31.9698, 33.8251, 30.0437



60.7366, 64.0349, 65.7738



29.9142, 28.9506, 31.7116



13.5781, 14.3204, 14.5526



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.



31.9698, 33.8251, 30.0437



56.2843, 59.5894, 50.5423



32.0516, 35.4104, 30.3454



7.4854, 7.9092, 7.5122



16.8656, 16.3051, 2.2583



0.3904, 0.4146, 0.0595

Inverse Universe

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



28.0289, 29.1737, 38.8042



47.9242, 49.7228, 69.1277



27.9488, 27.7842, 38.5402



6.8503, 7.1595, 8.9240



5.8838, 3.5469, 27.3043



0.1608, 0.1488, 0.5861

Previews

White Background



This preview shows how the XYZ color 31.9689, 33.8236, 30.0430 looks on a white background.

Color Contrast Check

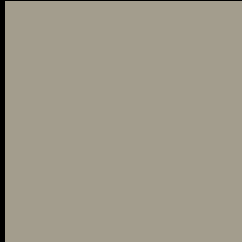
Large Text (above 18pt) WCAG AA × Fail

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 31.9689, 33.8236, 30.0430 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 31.9689, 33.8236, 30.0430

Background



This preview shows how black text looks on a background with the XYZ color 31.9689, 33.8236, 30.0430.



This preview shows how white text looks on a background with the XYZ color 31.9689, 33.8236,

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

31.9689, 33.8236, 30.0430

Protanopia

32.1745, 33.9295, 30.0526

Deuteranopia

34.4708, 33.8744, 30.3128



Tritanopia

33.9086, 33.6061, 40.2968

Trichromacy



Original Color

31.9689, 33.8236, 30.0430

Protanomaly

32.1745, 33.9295, 30.0526

Deuteranomaly

33.6717, 33.9484, 30.3692

Tritanomaly

33.0734, 33.5108, 36.1776

Monochromacy



Original Color

31.9689, 33.8236, 30.0430

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.9410, 33.7192, 34.1032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9689, 33.8236, 30.0430 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, 157, 141)` looks like.

```
.text, #text, p{  
    color:rgb(163, 157, 141)  
}
```

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, 157, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 157, 141) }
```

Border

The CSS property to change the border of an element to XYZ 31.9689, 33.8236, 30.0430 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, 157, 141) }
```


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

```
.border{ border-color:rgb(163, 157, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 157, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 157, 141); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 157, 141); box-shadow:4px 4px 4px 4px rgb(163, 157, 141) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9689, 33.8236, 30.0430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 157, 141) }
```

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

```
.background{ background-color: rgb(163,  
157, 141) }
```

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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