

Converting Colors

XYZ(33.3250, 31.5214, 37.8921)

Have a look what the booklet for
XYZ(33.3250, 31.5214, 37.8921)
contains.

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Color

**XYZ(33.3530, 31.4819,
38.0369)**

Conversions

Conversions Part 1

Format	Color
Hex	AB91A1
RGB	171, 145, 161
RGB Percent	67%, 57%, 63%
CMY	0.3294, 0.4314, 0.3686
CMYK	0.00, 0.15, 0.06, 0.33
HSL	323°, 13%, 62%
HSV	323°, 15%, 67%
XYZ	33.3530, 31.4819, 38.0369
YIQ	154.5980, 10.3600, 10.4880

Conversions

Conversions Part 2

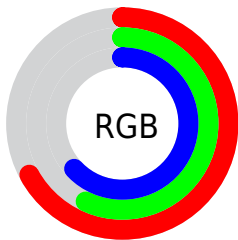
Format	Color
RYB	171, 145, 161
Decimal	11243937
CIELab	62.91, 12.53, -4.80
CIELCh	63, 13.419, 339.036
Yxy	31.4819, 0.3242, 0.3060
Android (android.graphics.Color)	4289434017 (0xFFAB91A1)
YUV	154.5980, 3.1562, 14.3846
Hunter-Lab	56.1087, 7.9164, -0.9174

Details

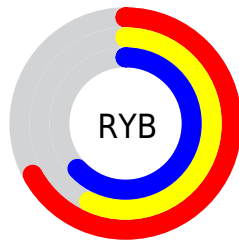
The XYZ color **33.3530, 31.4819, 38.0369** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.1576, 37.5130, 36.5580**, and the grayscale version is **30.9622, 32.5747, 35.4738**.

A 20% lighter version of the original color is **64.1821, 61.9735, 73.5451**, and **14.4249, 13.0531, 16.5111** is the 20% darker color. If you saturate the color by 10%, you get **30.3695, 26.4185, 34.2556**, and if you desaturate by 10%, it is **36.7622, 37.3468, 42.1114**.

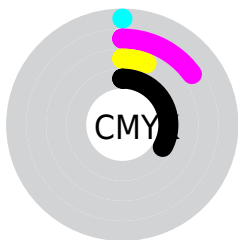
Distribution



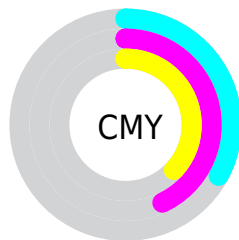
- Red (67%)
- Green (57%)
- Blue (63%)



- Red (67%)
- Yellow (57%)
- Blue (63%)



- Cyan (0%)
- Magenta (15%)
- Yellow (6%)
- Black (33%)



- Cyan (33%)
- Magenta (43%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3530, 31.4819, 38.0369 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 33.3530, 31.4819, 38.0369 by changing the saturation by 10% instead.

■ 33.3530, 31.4819,
38.0369

■ 33.3530, 31.4819,
38.0369

308.8743,
308.7523, 353.0812

■ 22.5575, 20.9661,
25.7093

■ 64.2773, 61.9980,
73.3687

■ 14.3860, 13.0992,
16.3825

■ 85.1368, 82.7670,
97.2100

■ 8.4731, 7.4969,
9.6379

110.0816,
107.7226, 125.7263

■ 4.4535, 3.7748,
5.0571

139.4773,
137.2491, 159.3361

■ 1.9618, 1.5484,
2.2215

173.6890,
171.7310, 198.4579

■ 0.6123, 0.3224,
0.6867

213.0822,

■ 0.0000, 0.0000,

211.5525, 243.5104

0.0000

258.0222,
257.0982, 294.9119

■ 33.3530, 31.4819,
38.0369

■ 33.3530, 31.4819,
38.0369

■ 30.3695, 26.4185,
34.2556

■ 36.7622, 37.3468,
42.1114

■ 27.7909, 22.1174,
30.7572

■ 40.6111, 44.0422,
46.4850

■ 25.5989, 18.5419,
27.5336

■ 44.9167, 51.6006,
51.1658

■ 23.7724, 15.6510,
24.5753

■ 49.6940, 60.0514,
56.1610

■ 22.2884, 13.3994,
21.8724

■ 54.9574, 69.4229,
61.4775

■ 21.1212, 11.7363,
19.4135

■ 60.7208, 79.7420,
67.1219

■ 20.2410, 10.6031,
17.1863

■ 63.8228, 84.6853,
72.0426

■ 19.6108, 9.9269,
15.1757

■ 64.6443, 85.0138,
76.3684

■ 19.3561, 9.6826,
14.2736

■ 65.4997, 85.3560,
80.8729

Harmonies

Analogous

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



32.2089, 31.4819, 42.7757



33.3530, 31.4819, 38.0369



33.5582, 31.4819, 32.7101

Triad

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



33.3530, 31.4819, 38.0369



29.3699, 31.4819, 25.2057



27.2552, 31.4819, 41.0713

Complementary

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



33.3530, 31.4819, 38.0369



32.1576, 37.5130, 36.5580

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.



26.5595, 31.4819, 35.8961



33.3530, 31.4819, 38.0369



27.7471, 31.4819, 26.9883

Square

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



33.3530, 31.4819, 38.0369



31.2077, 31.4819, 25.6528



26.7359, 31.4819, 30.7761



28.6733, 31.4819, 44.6487

Rectangle

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



33.3530, 31.4819, 38.0369



33.1270, 31.4819, 29.5876



26.7359, 31.4819, 30.7761



26.9318, 31.4819, 39.4406

Sweetspot

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



33.3539, 31.4833, 38.0376



65.9127, 67.0142, 75.5051



30.9885, 30.1579, 42.7164



14.6003, 14.7740, 16.7230



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.



33.3539, 31.4833, 38.0376



57.9894, 53.4079, 65.9570



32.2690, 31.0493, 32.3247



8.2045, 8.0951, 9.3878



14.6178, 7.3097, 10.8985



0.4323, 0.2136, 0.4383

Inverse Universe

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



33.3539, 31.4833, 38.0376



57.9894, 53.4079, 65.9570



33.3058, 37.9723, 42.6042



8.2045, 8.0951, 9.3878



14.6178, 7.3097, 10.8985



0.4323, 0.2136, 0.4383

Previews

White Background



This preview shows how the XYZ color 33.3530, 31.4819, 38.0369 looks on a white background.

Color Contrast Check

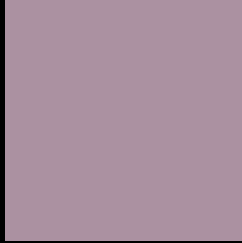
Large Text (above 18pt) WCAG AA × Fail

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 33.3530, 31.4819, 38.0369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

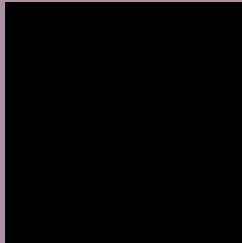
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3530, 31.4819, 38.0369

Background



This preview shows how black text looks on a background with the XYZ color 33.3530, 31.4819, 38.0369.



This preview shows how white text looks on a background with the XYZ color 33.3530, 31.4819,

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

33.3530, 31.4819, 38.0369

Protanopia

30.6206, 31.4291, 40.0499

Deuteranopia

32.0393, 31.5044, 37.6500



Tritanopia

32.9423, 31.5381, 36.2495

Trichromacy



Original Color

33.3530, 31.4819, 38.0369

Protanomaly

31.5488, 31.4443, 39.5285

Deuteranomaly

32.5048, 31.5125, 37.6270

Tritanomaly

33.0280, 31.5724, 36.7011

Monochromacy



Original Color

33.3530, 31.4819, 38.0369

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.8504, 32.1446, 36.4241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3530, 31.4819, 38.0369 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(171, 145, 161)` looks like.

```
.text, #text, p{  
    color:rgb(171, 145, 161)  
}
```

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(171, 145, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 145, 161) }
```

Border

The CSS property to change the border of an element to XYZ 33.3530, 31.4819, 38.0369 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(171, 145, 161) }
```


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

```
.border{ border-color:rgb(171, 145, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 145, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 145, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 145, 161);  
box-shadow:4px 4px 4px 4px rgb(171, 145,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3530, 31.4819, 38.0369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 145, 161) }
```

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

```
.background{ background-color: rgb(171,  
145, 161) }
```

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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