

Converting Colors

XYZ(31.6730, 30.5346, 33.6568)

Have a look what the booklet for
XYZ(31.6730, 30.5346, 33.6568)
contains.

XYZ(31.7076, 30.5057, 33.4952)	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(31.7076, 30.5057,
33.4952)**

Conversions

Conversions Part 1

Format	Color
Hex	A89097
RGB	168, 144, 151
RGB Percent	66%, 56%, 59%
CMY	0.3412, 0.4353, 0.4078
CMYK	0.00, 0.14, 0.10, 0.34
HSL	343°, 12%, 61%
HSV	343°, 14%, 66%
XYZ	31.7076, 30.5057, 33.4952
YIQ	151.9740, 12.0570, 7.2650

Conversions

Conversions Part 2

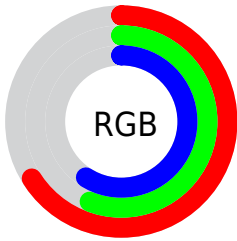
Format	Color
R_{YB}	168, 144, 151
Decimal	11047063
CIE _{Lab}	62.09, 10.19, -0.38
CIE _{LCh}	62, 10.193, 357.881
Yxy	30.5057, 0.3313, 0.3187
Android (android.graphics.Color)	4289237143 (0xFFA89097)
YUV	151.9740, -0.4802, 14.0548
Hunter-Lab	55.2320, 5.8174, 2.7062

Details

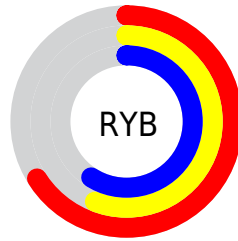
The XYZ color **31.7076, 30.5057, 33.4952** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.9384, 36.5085, 39.0834**, and the grayscale version is **29.8329, 31.3865, 34.1799**.

A 20% lighter version of the original color is **61.6450, 60.4839, 66.1831**, and **13.5054, 12.6385, 13.7843** is the 20% darker color. If you saturate the color by 10%, you get **28.4318, 25.4234, 27.8730**, and if you desaturate by 10%, it is **35.4614, 36.3871, 39.7589**.

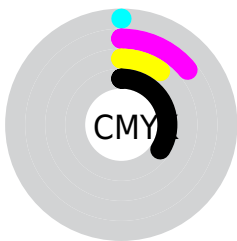
Distribution



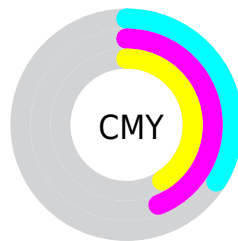
- Red (66%)
- Green (56%)
- Blue (59%)



- Red (66%)
- Yellow (56%)
- Blue (59%)



- Cyan (0%)
- Magenta (14%)
- Yellow (10%)
- Black (34%)



- Cyan (34%)
- Magenta (44%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7076, 30.5057, 33.4952 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 31.7076, 30.5057, 33.4952 by changing the saturation by 10% instead.

■ 31.7076, 30.5057,
33.4952

■ 31.7076, 30.5057,
33.4952

301.5541,
304.2546, 332.5754

■ 21.2927, 20.2227,
22.2319

■ 61.7207, 60.4610,
66.2728

■ 13.4518, 12.5571,
13.8274

■ 82.0497, 80.9021,
88.6241

■ 7.8195, 7.1243,
7.8634

106.4140,
105.4981, 115.5085

■ 4.0305, 3.5399,
3.9211

135.1791,
134.6333, 147.3445

■ 1.7194, 1.4197,
1.5822

168.7103,
168.6922, 184.5507

■ 0.4684, 0.2312,
0.2780

207.3730,

■ 0.0000, 0.0000,

208.0591, 227.5455

0.0000

251.5325,
253.1184, 276.7476

■ 31.7076, 30.5057,
33.4952

■ 31.7076, 30.5057,
33.4952

■ 28.4318, 25.4234,
27.8730

■ 35.4614, 36.3871,
39.7589

■ 25.6119, 21.1016,
22.8696

■ 39.7090, 43.0959,
46.6820

■ 23.2278, 17.5047,
18.4638

■ 44.4686, 50.6639,
54.2839

■ 21.2568, 14.5925,
14.6325

■ 49.7568, 59.1203,
62.5827

■ 19.6744, 12.3209,
11.3508

■ 55.5895, 68.4926,
71.5958

■ 18.4528, 10.6407,
8.5920

■ 61.9817, 78.8074,
81.3401

■ 17.5610, 9.4953,
6.3267

■ 66.8046, 85.8033,
91.1172

■ 16.9615, 8.8168,
4.5223

■ 68.5758, 86.5118,
100.4441

■ 16.7027, 8.5465,
3.6735

■ 69.9586, 87.0649,
107.7257

Harmonies

Analogous

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



31.2835, 30.5057, 37.3901



31.7076, 30.5057, 33.4952



31.3860, 30.5057, 29.8110

Triad

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



31.7076, 30.5057, 33.4952



27.7803, 30.5057, 26.9835



27.6167, 30.5057, 40.0234

Complementary

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



31.7076, 30.5057, 33.4952



31.9384, 36.5085, 39.0834

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.



26.7281, 30.5057, 36.8698



31.7076, 30.5057, 33.4952



26.8205, 30.5057, 29.3638

Square

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



31.7076, 30.5057, 33.4952



29.0922, 30.5057, 26.2326



26.4412, 30.5057, 32.9374



28.8975, 30.5057, 41.3392

Rectangle

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



31.7076, 30.5057, 33.4952



30.7975, 30.5057, 27.9280



26.4412, 30.5057, 32.9374



27.2637, 30.5057, 39.1315

Sweetspot

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



31.7085, 30.5071, 33.4958



64.5021, 66.2694, 72.3995



31.6998, 30.3314, 41.2299



13.9435, 14.2627, 15.5901



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.7085, 30.5071, 33.4958



55.6489, 52.4157, 57.5717



31.8993, 31.7714, 30.8384



7.6177, 7.5770, 8.3042



12.6330, 6.4619, 2.8790



0.3293, 0.1660, 0.1855

Inverse Universe

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



31.7085, 30.5071, 33.4958



55.6489, 52.4157, 57.5717



31.7032, 35.0228, 42.1352



7.6177, 7.5770, 8.3042



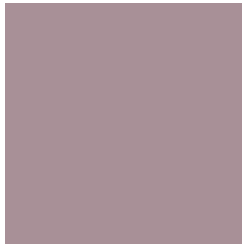
12.6330, 6.4619, 2.8790



0.3293, 0.1660, 0.1855

Previews

White Background



This preview shows how the XYZ color 31.7076, 30.5057, 33.4952 looks on a white background.

Color Contrast Check

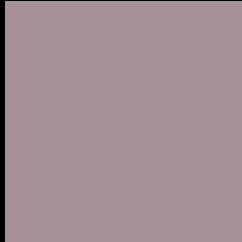
Large Text (above 18pt) WCAG AA × Fail

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 31.7076, 30.5057, 33.4952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

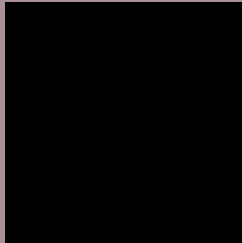
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.7076, 30.5057, 33.4952

Background



This preview shows how black text looks on a background with the XYZ color 31.7076, 30.5057, 33.4952.



This preview shows how white text looks on a background with the XYZ color 31.7076, 30.5057,

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

31.7076, 30.5057, 33.4952

Protanopia

29.5291, 30.5034, 34.9032

Deuteranopia

31.0212, 30.3777, 33.5066



Tritanopia

31.8873, 30.3363, 35.1852

Trichromacy



Original Color

31.7076, 30.5057, 33.4952

Protanomaly

30.2840, 30.4364, 34.4157

Deuteranomaly

31.2284, 30.4845, 33.5163

Tritanomaly

31.8036, 30.3028, 34.7447

Monochromacy



Original Color

31.7076, 30.5057, 33.4952

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.5155, 31.0310, 34.0870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7076, 30.5057, 33.4952 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(168, 144, 151)` looks like.

```
.text, #text, p{  
    color:rgb(168, 144, 151)  
}
```

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(168, 144, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 144, 151) }
```

Border

The CSS property to change the border of an element to XYZ 31.7076, 30.5057, 33.4952 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(168, 144, 151) }
```


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

```
.border{ border-color:rgb(168, 144, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 144, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 144, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 144, 151);  
box-shadow:4px 4px 4px 4px rgb(168, 144,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7076, 30.5057, 33.4952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 144, 151) }
```

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

```
.background{ background-color: rgb(168,  
144, 151) }
```

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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