

Converting Colors

XYZ(32.8449, 37.3030, 31.8549)

Have a look what the booklet for
XYZ(32.8449, 37.3030, 31.8549)
contains.

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Color

**XYZ(32.9323, 37.4575,
31.8799)**

Conversions

Conversions Part 1

Format	Color
Hex	9CA990
RGB	156, 169, 144
RGB Percent	61%, 66%, 56%
CMY	0.3882, 0.3372, 0.4353
CMYK	0.08, 0.00, 0.15, 0.34
HSL	91°, 13%, 61%
HSV	91°, 15%, 66%
XYZ	32.9323, 37.4575, 31.8799
YIQ	162.2630, 0.2770, -10.5310

Conversions

Conversions Part 2

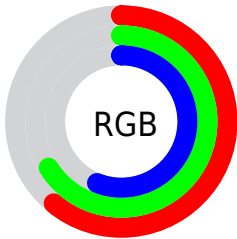
Format	Color
RYB	144, 169, 157
Decimal	10267024
CIELab	67.62, -9.24, 11.37
CIELCh	68, 14.650, 129.127
Yxy	37.4575, 0.3220, 0.3663
Android (android.graphics.Color)	4288457104 (0xFF9CA990)
YUV	162.2630, -9.0037, -5.4927
Hunter-Lab	61.2025, -11.0559, 11.9581

Details

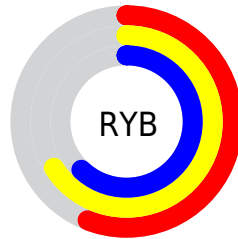
The XYZ color **32.9323, 37.4575, 31.8799** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.0409, 29.9803, 41.6889**, and the grayscale version is **34.5076, 36.3047, 39.5358**.

A 20% lighter version of the original color is **63.7127, 71.2374, 63.8183**, and **14.2074, 16.5340, 13.0322** is the 20% darker color. If you saturate the color by 10%, you get **30.0966, 36.1350, 25.5017**, and if you desaturate by 10%, it is **36.0866, 38.9241, 39.2840**.

Distribution



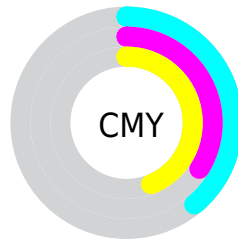
- Red (61%)
- Green (66%)
- Blue (56%)



- Red (56%)
- Yellow (66%)
- Blue (62%)



- Cyan (8%)
- Magenta (0%)
- Yellow (15%)
- Black (34%)



- Cyan (39%)
- Magenta (34%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9323, 37.4575, 31.8799 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 32.9323, 37.4575, 31.8799 by changing the saturation by 10% instead.

■ 32.9323, 37.4575,
31.8799

■ 32.9323, 37.4575,
31.8799

307.0149,
335.2870, 325.0476

■ 22.2336, 25.5619,
21.0057

■ 63.6252, 71.2759,
63.7185

■ 14.1462, 16.4962,
12.9369

■ 84.3501, 93.9674,
85.5200

■ 8.3048, 9.8759,
7.2549

109.1477,
121.0264, 111.8010

■ 4.3440, 5.3168,
3.5412

138.3835,
152.8373, 142.9800

■ 1.8985, 2.4343,
1.3772

172.4228,
189.7844, 179.4757

■ 0.5760, 0.8435,
0.1238

211.6309,

■ 0.0000, 0.0000,

232.2521, 221.7065

0.0000

256.3731,
280.6249, 270.0910

■ 32.9323, 37.4575,
31.8799

■ 32.9323, 37.4575,
31.8799

■ 30.0966, 36.1350,
25.5017

■ 36.0866, 38.9241,
39.2840

■ 27.5652, 34.9469,
20.1018

■ 39.5669, 40.5344,
47.7540

■ 25.3273, 33.8899,
15.6323

■ 43.3843, 42.2943,
57.3307

■ 23.3702, 32.9584,
12.0404

■ 47.5484, 44.2080,
68.0521

■ 21.6799, 32.1466,
9.2682

■ 52.0682, 46.2793,
79.9543

■ 20.2411, 31.4481,
7.2504

■ 56.9526, 48.5120,
93.0719

■ 19.0366, 30.8555,
5.9121

■ 61.0114, 50.4303,
101.1261

■ 18.0456, 30.3602,
5.1616

■ 63.7026, 51.8177,
101.2521

■ 17.5913, 30.1316,
4.8888

■ 66.5353, 53.2780,
101.3846

Harmonies

Analogous

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



34.9180, 37.4575, 29.6992



32.9323, 37.4575, 31.8799



31.6978, 37.4575, 36.5132

Triad

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



32.9323, 37.4575, 31.8799



34.0777, 37.4575, 53.5403



40.0630, 37.4575, 38.8443

Complementary

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



32.9323, 37.4575, 31.8799



31.0409, 29.9803, 41.6889

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.



39.8147, 37.4575, 45.3773



32.9323, 37.4575, 31.8799



36.2953, 37.4575, 54.3338

Square

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



32.9323, 37.4575, 31.8799



32.3394, 37.4575, 49.1447



38.4127, 37.4575, 51.2105



39.0774, 37.4575, 33.4312

Rectangle

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



32.9323, 37.4575, 31.8799



31.4353, 37.4575, 40.5956



38.4127, 37.4575, 51.2105



40.1220, 37.4575, 40.9746

Sweetspot

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



32.9333, 37.4591, 31.8807



65.0560, 69.9066, 71.3827



33.4406, 34.5359, 31.2897



14.0847, 15.1927, 15.3315



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.



32.9333, 37.4591, 31.8807



57.1226, 66.2186, 52.8579



30.7567, 36.3333, 31.9454



7.7665, 8.5777, 8.0356



13.1712, 22.4873, 3.6463



0.3798, 0.5777, 0.0915

Inverse Universe

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



31.0409, 29.9803, 41.6889



53.0265, 50.0310, 74.0872



33.4593, 31.2315, 41.5982



7.4900, 7.4852, 9.4684



8.3916, 3.7094, 28.2492



0.2628, 0.1205, 0.6900

Previews

White Background



This preview shows how the XYZ color 32.9323, 37.4575, 31.8799 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 32.9323, 37.4575, 31.8799 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

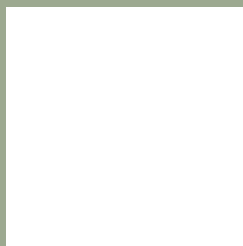
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.9323, 37.4575, 31.8799

Background



This preview shows how black text looks on a background with the XYZ color 32.9323, 37.4575, 31.8799.



This preview shows how white text looks on a background with the XYZ color 32.9323, 37.4575,

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

32.9323, 37.4575, 31.8799

Protanopia

35.3168, 37.3582, 30.5488

Deuteranopia

38.0800, 37.4364, 32.4130



Tritanopia

35.9092, 37.3023, 46.9024

Trichromacy



Original Color

32.9323, 37.4575, 31.8799

Protanomaly

34.4551, 37.4409, 31.0020

Deuteranomaly

36.1125, 37.4688, 32.1169

Tritanomaly

34.7258, 37.3600, 40.9783

Monochromacy



Original Color

32.9323, 37.4575, 31.8799

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.8687, 36.7504, 36.3188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9323, 37.4575, 31.8799 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(156, 169, 144)` looks like.

```
.text, #text, p{  
    color:rgb(156, 169, 144)  
}
```

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(156, 169, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 169, 144) }
```

Border

The CSS property to change the border of an element to XYZ 32.9323, 37.4575, 31.8799 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(156, 169, 144) }
```


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

```
.border{ border-color:rgb(156, 169, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 169, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 169, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 169, 144);  
box-shadow:4px 4px 4px 4px rgb(156, 169,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9323, 37.4575, 31.8799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 169, 144) }
```

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

```
.background{ background-color: rgb(156,  
169, 144) }
```

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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