

Converting Colors

XYZ(29.9837, 33.3208, 32.0077)

Have a look what the booklet for
XYZ(29.9837, 33.3208, 32.0077)
contains.

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Color

**XYZ(29.9809, 33.2612,
32.0340)**

Conversions

Conversions Part 1

Format	Color
Hex	959F92
RGB	149, 159, 146
RGB Percent	58%, 62%, 57%
CMY	0.4157, 0.3765, 0.4274
CMYK	0.06, 0.00, 0.08, 0.38
HSL	106°, 6%, 60%
HSV	106°, 8%, 62%
XYZ	29.9809, 33.2612, 32.0340
YIQ	154.5280, -1.7870, -6.1630

Conversions

Conversions Part 2

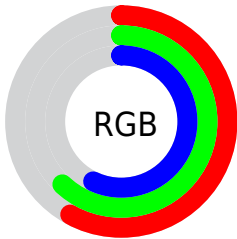
Format	Color
RYB	146, 159, 156
Decimal	9805714
CIELab	64.37, -6.07, 5.55
CIELCh	64, 8.227, 137.547
Yxy	33.2612, 0.3147, 0.3491
Android (android.graphics.Color)	4287995794 (0xFF959F92)
YUV	154.5280, -4.2043, -4.8481
Hunter-Lab	57.6725, -8.1342, 7.4383

Details

The XYZ color **29.9809, 33.2612, 32.0340** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.2485, 30.1298, 37.0240**, and the grayscale version is **30.9666, 32.5793, 35.4789**.

A 20% lighter version of the original color is **59.1005, 64.9598, 64.0671**, and **12.5109, 14.1663, 13.1413** is the 20% darker color. If you saturate the color by 10%, you get **26.7135, 31.7109, 25.8674**, and if you desaturate by 10%, it is **33.6566, 35.0040, 39.1191**.

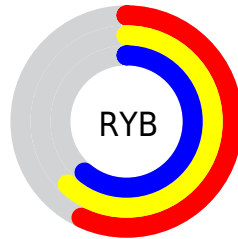
Distribution



Red (58%)

Green (62%)

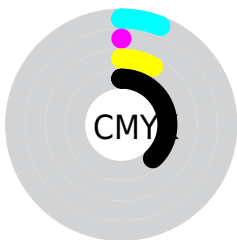
Blue (57%)



Red (57%)

Yellow (62%)

Blue (61%)

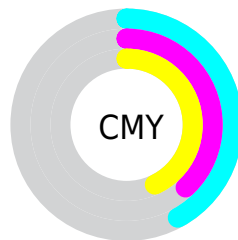


Cyan (6%)

Magenta (0%)

Yellow (8%)

Black (38%)



Cyan (42%)

Magenta (38%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9809, 33.2612, 32.0340 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 29.9809, 33.2612, 32.0340 by changing the saturation by 10% instead.

■ 29.9809, 33.2612,
32.0340

■ 29.9809, 33.2612,
32.0340

293.7268,
316.8251, 325.7716

■ 19.9721, 22.3266,
21.1224

■ 59.0188, 64.7831,
63.9629

■ 12.4829, 14.0971,
13.0214

■ 78.7786, 86.1392,
85.8173

■ 7.1480, 8.1882,
7.3124

102.5195,
111.7380, 112.1565

■ 3.6020, 4.2156,
3.5768

130.6067,
141.9638, 143.3989

■ 1.4795, 1.7949,
1.3962

163.4057,
177.2010, 179.9630

■ 0.3118, 0.4840,
0.1387

201.2818,

■ 0.0000, 0.0000,

217.8340, 222.2675

0.0000

244.6004,
264.2472, 270.7308

■ 29.9809, 33.2612,
32.0340

■ 29.9809, 33.2612,
32.0340

■ 26.7135, 31.7109,
25.8674

■ 33.6566, 35.0040,
39.1191

■ 23.8375, 30.3423,
20.5797

■ 37.7514, 36.9414,
47.1560

■ 21.3386, 29.1499,
16.1315

■ 42.2792, 39.0805,
56.1788

■ 19.2007, 28.1264,
12.4796

■ 47.2522, 41.4271,
66.2194

■ 17.4064, 27.2638,
9.5768

■ 52.6824, 43.9867,
77.3082

■ 15.9371, 26.5536,
7.3712

■ 58.5811, 46.7644,
89.4743

■ 14.7718, 25.9864,
5.8041

■ 64.5861, 49.6160,
100.7805

■ 13.8872, 25.5515,
4.8071

■ 68.7562, 51.7658,
100.9757

■ 13.2481, 25.2336,
4.2555

■ 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.



30.9396, 33.2612, 30.4071



29.9809, 33.2612, 32.0340



29.4651, 33.2612, 34.8426

Triad

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



29.9809, 33.2612, 32.0340



31.1306, 33.2612, 42.8867



33.8103, 33.2612, 34.3057

Complementary

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



29.9809, 33.2612, 32.0340



30.2485, 30.1298, 37.0240

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.



33.8645, 33.2612, 37.6246



29.9809, 33.2612, 32.0340



32.2977, 33.2612, 42.7208

Square

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



29.9809, 33.2612, 32.0340



30.1177, 33.2612, 41.1867



33.3049, 33.2612, 40.7465



33.1585, 33.2612, 31.6619

Rectangle

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



29.9809, 33.2612, 32.0340



29.4331, 33.2612, 37.0696



33.3049, 33.2612, 40.7465



33.8995, 33.2612, 35.3752

Sweetspot

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



29.9818, 33.2626, 32.0347



57.6444, 61.4409, 64.9587



31.3707, 33.2135, 31.9520



13.0138, 13.8603, 14.6795



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.



29.9818, 33.2626, 32.0347



52.4562, 58.9810, 55.0156



29.7154, 33.0936, 33.4518



6.6869, 7.4712, 7.0753



10.4179, 19.9074, 3.2934



0.2193, 0.3730, 0.0604

Inverse Universe

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



30.2485, 30.1298, 37.0240



53.0432, 52.0831, 66.0008



30.5395, 30.3141, 35.4887



6.7544, 6.6774, 8.3396



11.3551, 5.2828, 26.3284



0.2368, 0.1119, 0.4723

Previews

White Background



This preview shows how the XYZ color 29.9809, 33.2612, 32.0340 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 29.9809, 33.2612, 32.0340 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

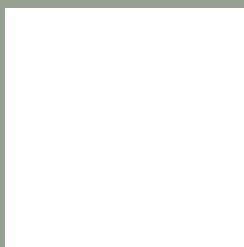
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9809, 33.2612, 32.0340

Background



This preview shows how black text looks on a background with the XYZ color 29.9809, 33.2612, 32.0340.

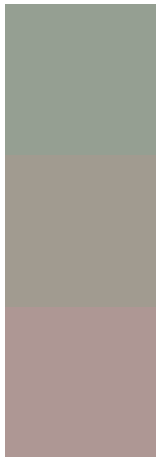


This preview shows how white text looks on a background with the XYZ color 29.9809, 33.2612,

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

29.9809, 33.2612, 32.0340

Protanopia

31.4533, 33.0334, 31.1039

Deuteranopia

33.8675, 33.2700, 32.6537



Tritanopia

31.9052, 33.2795, 41.7878

Trichromacy



Original Color

29.9809, 33.2612, 32.0340

Protanomaly

30.9039, 32.9894, 31.5268

Deuteranomaly

32.3391, 33.2171, 32.3109

Tritanomaly

31.1646, 33.2313, 38.0294

Monochromacy



Original Color

29.9809, 33.2612, 32.0340

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 29.9809, 33.2612, 32.0340 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(149, 159, 146)` looks like.

```
.text, #text, p{  
    color:rgb(149, 159, 146)  
}
```

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(149, 159, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 159, 146) }
```

Border

The CSS property to change the border of an element to XYZ 29.9809, 33.2612, 32.0340 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(149, 159, 146) }
```


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

```
.border{ border-color:rgb(149, 159, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 159, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(149, 159, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(149, 159, 146); box-shadow:4px 4px 4px 4px rgb(149, 159, 146) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9809, 33.2612, 32.0340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 159, 146) }
```

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

```
.background{ background-color: rgb(149,  
159, 146) }
```

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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