

Converting Colors

XYZ(28.9233, 32.6732, 30.7058)

Have a look what the booklet for
XYZ(28.9233, 32.6732, 30.7058)
contains.

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Color

**XYZ(29.0331, 32.7992,
30.7873)**

Conversions

Conversions Part 1

Format	Color
Hex	919F8F
RGB	145, 159, 143
RGB Percent	57%, 62%, 56%
CMY	0.4314, 0.3765, 0.4392
CMYK	0.09, 0.00, 0.10, 0.38
HSL	113°, 8%, 59%
HSV	113°, 10%, 62%
XYZ	29.0331, 32.7992, 30.7873
YIQ	152.9900, -3.2080, -7.9440

Conversions

Conversions Part 2

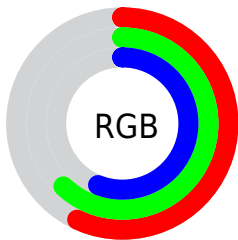
Format	Color
RYB	143, 159, 157
Decimal	9543567
CIELab	64.00, -8.08, 6.66
CIELCh	64, 10.472, 140.529
Yxy	32.7992, 0.3135, 0.3541
Android (android.graphics.Color)	4287733647 (0xFF919F8F)
YUV	152.9900, -4.9251, -7.0072
Hunter-Lab	57.2706, -9.7336, 8.2165

Details

The XYZ color **29.0331, 32.7992, 30.7873** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **29.9865, 29.3172, 36.8810**, and the grayscale version is **30.2964, 31.8742, 34.7110**.

A 20% lighter version of the original color is **57.6778, 64.2665, 62.1880**, and **12.0577, 13.9483, 12.4127** is the 20% darker color. If you saturate the color by 10%, you get **25.6097, 31.1648, 24.7788**, and if you desaturate by 10%, it is **32.9294, 34.6596, 37.7106**.

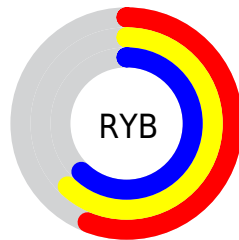
Distribution



Red (57%)

Green (62%)

Blue (56%)



Red (56%)

Yellow (62%)

Blue (62%)

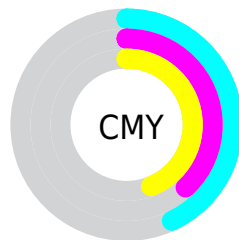


Cyan (9%)

Magenta (0%)

Yellow (10%)

Black (38%)



Cyan (43%)

Magenta (38%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0331, 32.7992, 30.7873 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 29.0331, 32.7992, 30.7873 by changing the saturation by 10% instead.

■ 29.0331, 32.7992,
30.7873

■ 29.0331, 32.7992,
30.7873

289.3625,
314.7439, 319.8780

■ 19.2503, 21.9727,
20.1798

■ 57.5269, 64.0619,
61.9807

■ 11.9563, 13.8368,
12.3405

■ 76.9685, 85.2669,
83.4037

■ 6.7859, 8.0073,
6.8506

100.3605,
110.7001, 109.2689

■ 3.3737, 4.0996,
3.2918

128.0681,
140.7460, 139.9950

■ 1.3543, 1.7294,
1.2455

160.4568,
175.7889, 176.0004

■ 0.2233, 0.4426,
0.0165

197.8918,

■ 0.0000, 0.0000,

216.2133, 217.7037

0.0000

240.7386,
262.4035, 265.5234

■ 29.0331, 32.7992,
30.7873

■ 29.0331, 32.7992,
30.7873

■ 25.6097, 31.1648,
24.7788

■ 32.9294, 34.6596,
37.7106

■ 22.6385, 29.7436,
19.6448

■ 37.3128, 36.7496,
45.5824

■ 20.1014, 28.5282,
15.3452

■ 42.2005, 39.0784,
54.4374

■ 17.9778, 27.5089,
11.8359

■ 47.6077, 41.6530,
64.3079

■ 16.2456, 26.6754,
9.0688

■ 53.5492, 44.4805,
75.2246

■ 14.8806, 26.0163,
6.9905

■ 60.0392, 47.5675,
87.2172

■ 13.8558, 25.5190,
5.5405

■ 67.0912, 50.9204,
100.3139

■ 13.1404, 25.1692,
4.6479

■ 71.6888, 53.2776,
101.1129

■ 12.6846, 24.9449,
4.1463

Harmonies

Analogous

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



30.1892, 32.7992, 28.6237



29.0331, 32.7992, 30.7873



28.4561, 32.7992, 34.3908

Triad

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



29.0331, 32.7992, 30.7873



30.7096, 32.7992, 44.3522



33.9110, 32.7992, 32.9355

Complementary

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



29.0331, 32.7992, 30.7873



29.9865, 29.3172, 36.8810

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.



34.0610, 32.7992, 37.0681



29.0331, 32.7992, 30.7873



32.1813, 32.7992, 43.8851

Square

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



29.0331, 32.7992, 30.7873



29.4037, 32.7992, 42.3673



33.4190, 32.7992, 41.1374



33.0153, 32.7992, 29.7943

Rectangle

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



29.0331, 32.7992, 30.7873



28.4647, 32.7992, 37.2198



33.4190, 32.7992, 41.1374



34.0514, 32.7992, 34.2469

Sweetspot

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



29.0340, 32.8006, 30.7880



56.7924, 61.0298, 63.6471



31.2919, 33.4246, 30.7894



12.6785, 13.6993, 14.1262



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.



29.0340, 32.8006, 30.7880



50.5971, 58.0725, 52.6706



29.1411, 32.8031, 33.1747



6.6240, 7.4388, 7.0724



10.0390, 19.7120, 3.2757



0.1990, 0.3625, 0.0595

Inverse Universe

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



29.9865, 29.3172, 36.8810



52.6394, 50.6025, 65.7363



29.8825, 29.3210, 34.2806



6.8226, 6.7125, 8.3427



13.3941, 6.3339, 26.4239



0.2601, 0.1239, 0.4734

Previews

White Background



This preview shows how the XYZ color 29.0331, 32.7992, 30.7873 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 29.0331, 32.7992, 30.7873 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 29.0331, 32.7992, 30.7873

Background



This preview shows how black text looks on a background with the XYZ color 29.0331, 32.7992, 30.7873.



This preview shows how white text looks on a background with the XYZ color 29.0331, 32.7992,

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

29.0331, 32.7992, 30.7873

Protanopia

31.0613, 32.6114, 29.8568

Deuteranopia

33.4727, 32.8557, 31.3656



Tritanopia

31.1837, 32.6594, 41.7061

Trichromacy



Original Color

29.0331, 32.7992, 30.7873

Protanomaly

30.2885, 32.6985, 30.3062

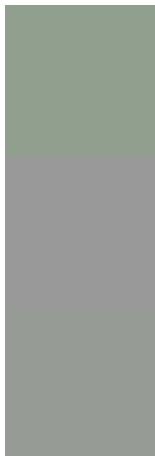
Deuteranomaly

31.5295, 32.5826, 31.0128

Tritanomaly

30.3592, 32.5760, 37.4886

Monochromacy



Original Color

29.0331, 32.7992, 30.7873

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.7238, 32.0966, 33.0624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0331, 32.7992, 30.7873 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(145, 159, 143)` looks like.

```
.text, #text, p{  
    color:rgb(145, 159, 143)  
}
```

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(145, 159, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 159, 143) }
```

Border

The CSS property to change the border of an element to XYZ 29.0331, 32.7992, 30.7873 is called "border". The border property can be set on classes, ids or directly on the HTML element.

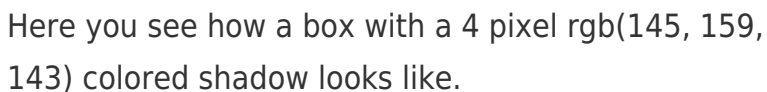
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(145, 159, 143) }
```


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

```
.border{ border-color:rgb(145, 159, 143) }
```

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



Here you see how a box with a 4 pixel `rgb(145, 159, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 159, 143); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 159, 143); box-shadow:4px 4px 4px 4px rgb(145, 159, 143) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0331, 32.7992, 30.7873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 159, 143) }
```

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

```
.background{ background-color: rgb(145,  
159, 143) }
```

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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