

Converting Colors

XYZ(29.3451, 32.9503, 33.4851)

Have a look what the booklet for
XYZ(29.3451, 32.9503, 33.4851)
contains.

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Color

**XYZ(29.4048, 32.9276,
33.6600)**

Conversions

Conversions Part 1

Format	Color
Hex	909F96
RGB	144, 159, 150
RGB Percent	56%, 62%, 59%
CMY	0.4353, 0.3765, 0.4118
CMYK	0.09, 0.00, 0.06, 0.38
HSL	144°, 7%, 59%
HSV	144°, 9%, 62%
XYZ	29.4048, 32.9276, 33.6600
YIQ	153.4890, -6.0510, -5.9790

Conversions

Conversions Part 2

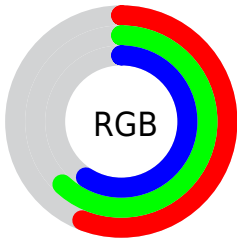
Format	Color
RYB	144, 155, 159
Decimal	9478038
CIELab	64.10, -7.10, 2.87
CIELCh	64, 7.662, 157.964
Yxy	32.9276, 0.3063, 0.3430
Android (android.graphics.Color)	4287668118 (0xFF909F96)
YUV	153.4890, -1.7201, -8.3219
Hunter-Lab	57.3826, -8.9500, 5.3889

Details

The XYZ color **29.4048, 32.9276, 33.6600** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.0224, 29.6183, 34.2732**, and the grayscale version is **30.5014, 32.0899, 34.9459**.

A 20% lighter version of the original color is **58.2344, 64.4585, 66.4992**, and **12.2308, 14.0057, 13.8631** is the 20% darker color. If you saturate the color by 10%, you get **26.0837, 31.3016, 29.6561**, and if you desaturate by 10%, it is **33.1815, 34.7831, 38.0132**.

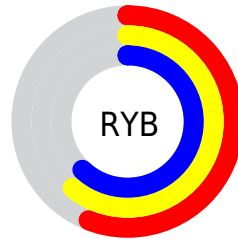
Distribution



Red (56%)

Green (62%)

Blue (59%)



Red (56%)

Yellow (61%)

Blue (62%)

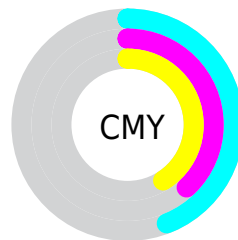


Cyan (9%)

Magenta (0%)

Yellow (6%)

Black (38%)



Cyan (44%)

Magenta (38%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4048, 32.9276, 33.6600 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 29.4048, 32.9276, 33.6600 by changing the saturation by 10% instead.

■ 29.4048, 32.9276,
33.6600

■ 29.4048, 32.9276,
33.6600

291.0800,
315.3234, 333.3361

■ 19.5331, 22.0710,
22.3573

■ 58.1127, 64.2625,
66.5324

■ 12.1624, 13.9091,
13.9188

■ 77.6797, 85.5095,
88.9392

■ 6.9273, 8.0574,
7.9261

101.2090,
110.9889, 115.8845

■ 3.4626, 4.1317,
3.9606

129.0662,
141.0849, 147.7867

■ 1.4029, 1.7475,
1.6038

161.6165,
176.1819, 185.0644

■ 0.2583, 0.4541,
0.2935

199.2254,

■ 0.0000, 0.0000,

216.6644, 228.1362

0.0000

242.2581,
262.9168, 277.4206

■ 29.4048, 32.9276,
33.6600

■ 29.4048, 32.9276,
33.6600

■ 26.0837, 31.3016,
29.6561

■ 33.1815, 34.7831,
38.0132

■ 23.1976, 29.8919,
25.9908

■ 37.4279, 36.8723,
42.7219

■ 20.7286, 28.6904,
22.6558

■ 42.1606, 39.2047,
47.7947

■ 18.6564, 27.6867,
19.6420

■ 47.3948, 41.7880,
53.2393

■ 16.9586, 26.8695,
16.9394

■ 53.1449, 44.6293,
59.0632

■ 15.6110, 26.2265,
14.5380

■ 59.4249, 47.7358,
65.2737

■ 14.5859, 25.7437,
12.4267

■ 66.1360, 51.0564,
71.8725

■ 13.8513, 25.4048,
10.5939

■ 67.4120, 51.5668,
78.5915

■ 13.3391, 25.1750,
9.0258

■ 68.7608, 52.1064,
85.6946

Harmonies

Analogous

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



30.0324, 32.9276, 31.3508



29.4048, 32.9276, 33.6600



29.2782, 32.9276, 36.6857

Triad

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



29.4048, 32.9276, 33.6600



31.5863, 32.9276, 42.0928



32.9683, 32.9276, 32.3056

Complementary

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



29.4048, 32.9276, 33.6600



30.0224, 29.6183, 34.2732

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.



33.4058, 32.9276, 35.0322



29.4048, 32.9276, 33.6600



32.5960, 32.9276, 40.7658

Square

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



29.4048, 32.9276, 33.6600



30.5214, 32.9276, 41.6731



33.2680, 32.9276, 38.1383



32.0850, 32.9276, 30.6009

Rectangle

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



29.4048, 32.9276, 33.6600



29.4922, 32.9276, 38.7241



33.2680, 32.9276, 38.1383



33.1733, 32.9276, 33.1266

Sweetspot

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



29.4057, 32.9290, 33.6607



56.8773, 61.0398, 65.1789



30.6176, 33.6081, 31.2594



12.7025, 13.7022, 14.5562



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.



29.4057, 32.9290, 33.6607



51.5466, 58.4237, 58.9630



30.0081, 33.1699, 36.8327



6.6552, 7.4428, 7.6187



10.5337, 19.8814, 7.1675



0.2086, 0.3636, 0.2349

Inverse Universe

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



30.0224, 29.6183, 34.2732



52.8429, 51.4634, 60.2505



29.4413, 29.3858, 31.2133



6.7917, 6.7096, 7.7543



12.9604, 6.4887, 9.3083



0.2522, 0.1242, 0.2743

Previews

White Background



This preview shows how the XYZ color 29.4048, 32.9276, 33.6600 looks on a white background.

Color Contrast Check

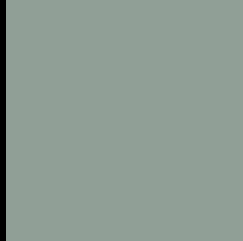
Large Text (above 18pt) WCAG AA × Fail

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 29.4048, 32.9276, 33.6600 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

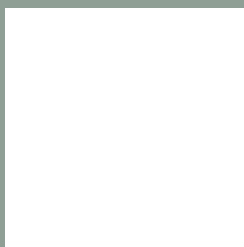
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.4048, 32.9276, 33.6600

Background



This preview shows how black text looks on a background with the XYZ color 29.4048, 32.9276, 33.6600.



This preview shows how white text looks on a background with the XYZ color 29.4048, 32.9276,

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

29.4048, 32.9276, 33.6600

Protanopia

31.3981, 32.7229, 32.6783

Deuteranopia

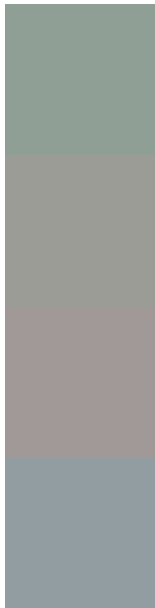
33.3684, 32.7376, 34.2660



Tritanopia

31.0825, 32.8446, 42.2375

Trichromacy



Original Color

29.4048, 32.9276, 33.6600

Protanomaly

30.6397, 32.8169, 33.1532

Deuteranomaly

31.6751, 32.5939, 33.9000

Tritanomaly

30.4326, 32.8336, 38.9160

Monochromacy



Original Color

29.4048, 32.9276, 33.6600

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.9665, 32.1937, 34.3404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4048, 32.9276, 33.6600 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(144, 159, 150)` looks like.

```
.text, #text, p{  
    color:rgb(144, 159, 150)  
}
```

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(144, 159, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 159, 150) }
```

Border

The CSS property to change the border of an element to XYZ 29.4048, 32.9276, 33.6600 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(144, 159, 150) }
```


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

```
.border{ border-color:rgb(144, 159, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 159, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 159, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 159, 150);  
box-shadow:4px 4px 4px 4px rgb(144, 159,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4048, 32.9276, 33.6600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 159, 150) }
```

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

```
.background{ background-color: rgb(144,  
159, 150) }
```

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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