

Converting Colors

XYZ(29.9337, 33.0262, 29.3575)

Have a look what the booklet for
XYZ(29.9337, 33.0262, 29.3575)
contains.

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Color

**XYZ(29.8360, 32.9932,
29.2219)**

Conversions

Conversions Part 1

Format	Color
Hex	989E8B
RGB	152, 158, 139
RGB Percent	60%, 62%, 55%
CMY	0.4039, 0.3804, 0.4549
CMYK	0.04, 0.00, 0.12, 0.38
HSL	79°, 9%, 58%
HSV	79°, 12%, 62%
XYZ	29.8360, 32.9932, 29.2219
YIQ	154.0400, 2.5230, -7.1810

Conversions

Conversions Part 2

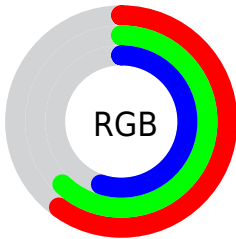
Format	Color
RYB	139, 158, 145
Decimal	10002059
CIELab	64.16, -5.69, 9.19
CIELCh	64, 10.809, 121.742
Yxy	32.9932, 0.3241, 0.3584
Android (android.graphics.Color)	4288192139 (0xFF989E8B)
YUV	154.0400, -7.4147, -1.7891
Hunter-Lab	57.4397, -7.8009, 10.0446

Details

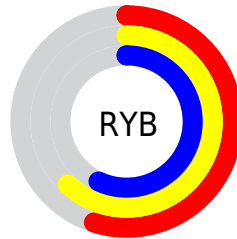
The XYZ color **29.8360, 32.9932, 29.2219** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **27.0824, 26.9545, 36.1248**, and the grayscale version is **30.7642, 32.3664, 35.2470**.

A 20% lighter version of the original color is **58.7623, 64.5161, 59.2249**, and **12.4277, 14.0034, 11.4991** is the 20% darker color. If you saturate the color by 10%, you get **27.8496, 32.0941, 23.5318**, and if you desaturate by 10%, it is **32.0304, 33.9822, 35.7941**.

Distribution



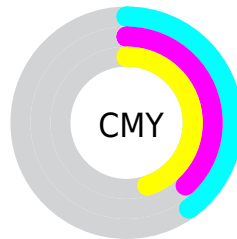
- Red (60%)
- Green (62%)
- Blue (55%)



- Red (55%)
- Yellow (62%)
- Blue (57%)



- Cyan (4%)
- Magenta (0%)
- Yellow (12%)
- Black (38%)



- Cyan (40%)
- Magenta (38%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8360, 32.9932, 29.2219 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 29.8360, 32.9932, 29.2219 by changing the saturation by 10% instead.

■ 29.8360, 32.9932,
29.2219

■ 29.8360, 32.9932,
29.2219

293.0628,
315.6191, 312.3541

■ 19.8616, 22.1212,
19.0017

■ 58.7911, 64.3649,
59.4758

■ 12.4022, 13.9460,
11.4947

■ 78.5026, 85.6335,
80.3467

■ 7.0923, 8.0831,
6.2823

■ 102.1904,
111.1363, 105.6048

■ 3.5668, 4.1482,
2.9459

130.2200,
141.2579, 135.6688

■ 1.4601, 1.7568,
1.0671

162.9567,
176.3825, 170.9572

■ 0.2984, 0.4600,
0.0000

200.7658,

■ 0.0000, 0.0000,

216.8947, 211.8886

0.0000

244.0127,
263.1787, 258.8813

■ 29.8360, 32.9932,
29.2219

■ 29.8360, 32.9932,
29.2219

■ 27.8496, 32.0941,
23.5318

■ 32.0304, 33.9822,
35.7941

■ 26.0610, 31.2774,
18.6842

■ 34.4372, 35.0598,
43.2817

■ 24.4629, 30.5414,
14.6396

■ 37.0643, 36.2301,
51.7186

■ 23.0465, 29.8825,
11.3543

■ 39.9180, 37.4957,
61.1366

■ 21.8022, 29.2967,
8.7806

■ 43.0045, 38.8592,
71.5658

■ 20.7195, 28.7799,
6.8656

■ 46.3298, 40.3230,
83.0353

■ 19.7865, 28.3270,
5.5486

■ 49.8995, 41.8895,
95.5727

■ 18.9888, 27.9325,
4.7580

■ 51.9982, 42.8724,
100.1423

■ 18.4230, 27.6489,
4.3658

■ 53.2830, 43.5348,
100.2025

Harmonies

Analogous

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



31.2697, 32.9932, 28.1403



29.8360, 32.9932, 29.2219



28.8374, 32.9932, 32.0792

Triad

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



29.8360, 32.9932, 29.2219



29.9861, 32.9932, 43.8717



34.3938, 32.9932, 35.6684

Complementary

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



29.8360, 32.9932, 29.2219



27.0824, 26.9545, 36.1248

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.



34.0236, 32.9932, 40.0643



29.8360, 32.9932, 29.2219



31.4486, 32.9932, 45.0250

Square

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



29.8360, 32.9932, 29.2219



28.9221, 32.9932, 40.5434



32.9331, 32.9932, 43.5797



33.9292, 32.9932, 31.6695

Rectangle

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



29.8360, 32.9932, 29.2219



28.5356, 32.9932, 34.7268



32.9331, 32.9932, 43.5797



34.3628, 32.9932, 37.1483

Sweetspot

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



29.8369, 32.9946, 29.2226



57.3157, 61.3273, 62.4169



28.8415, 29.2935, 28.5607



12.8553, 13.7963, 13.8708



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.



29.8369, 32.9946, 29.2226



53.3379, 59.5340, 50.6065



28.1812, 32.1411, 29.1451



6.9662, 7.6152, 7.0884



14.7962, 22.1644, 3.4983



0.3062, 0.4177, 0.0645

Inverse Universe

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



27.0824, 26.9545, 36.1248



47.4917, 46.7135, 65.2570



28.7698, 27.8243, 36.2038



6.4721, 6.5319, 8.3263



6.0298, 2.5375, 26.0792



0.1489, 0.0665, 0.4682

Previews

White Background



This preview shows how the XYZ color 29.8360, 32.9932, 29.2219 looks on a white background.

Color Contrast Check

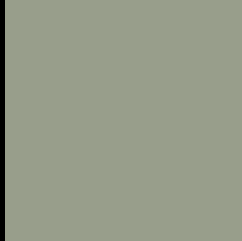
Large Text (above 18pt) WCAG AA × Fail

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 29.8360, 32.9932, 29.2219 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

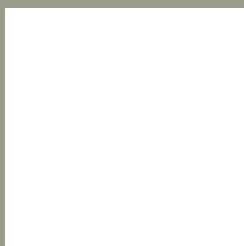
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8360, 32.9932, 29.2219

Background



This preview shows how black text looks on a background with the XYZ color 29.8360, 32.9932, 29.2219.



This preview shows how white text looks on a background with the XYZ color 29.8360, 32.9932,

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

29.8360, 32.9932, 29.2219

Protanopia

31.1370, 32.9302, 28.3820

Deuteranopia

33.6186, 32.9659, 29.7905



Tritanopia

32.1488, 32.9323, 40.7385

Trichromacy



Original Color

29.8360, 32.9932, 29.2219

Protanomaly

30.5765, 32.8810, 28.7799

Deuteranomaly

32.0612, 32.8914, 29.4698

Tritanomaly

31.2397, 32.8116, 36.1392

Monochromacy



Original Color

29.8360, 32.9932, 29.2219

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.2830, 32.3849, 33.0886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8360, 32.9932, 29.2219 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(152, 158, 139)` looks like.

```
.text, #text, p{  
    color:rgb(152, 158, 139)  
}
```

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(152, 158, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 158, 139) }
```

Border

The CSS property to change the border of an element to XYZ 29.8360, 32.9932, 29.2219 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(152, 158, 139) }
```


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

```
.border{ border-color:rgb(152, 158, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 158, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 158, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 158, 139);  
box-shadow:4px 4px 4px 4px rgb(152, 158,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8360, 32.9932, 29.2219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 158, 139) }
```

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

```
.background{ background-color: rgb(152,  
158, 139) }
```

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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