

Converting Colors

XYZ(27.8825, 33.3609, 8.8928)

Have a look what the booklet for
XYZ(27.8825, 33.3609, 8.8928)
contains.

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Color

**XYZ(27.9569, 33.5070,
8.8649)**

Conversions

Conversions Part 1

Format	Color
Hex	9FA239
RGB	159, 162, 57
RGB Percent	62%, 64%, 22%
CMY	0.3765, 0.3647, 0.7765
CMYK	0.02, 0.00, 0.65, 0.36
HSL	62°, 48%, 43%
HSV	62°, 65%, 64%
XYZ	27.9569, 33.5070, 8.8649
YIQ	149.1330, 31.9170, -33.2910

Conversions

Conversions Part 2

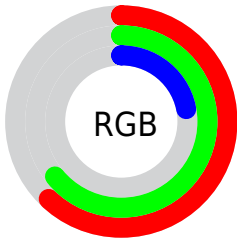
Format	Color
RYB	57, 162, 60
Decimal	10461753
CIELab	64.57, -14.76, 52.23
CIElCh	65, 54.275, 105.780
Yxy	33.5070, 0.3975, 0.4764
Android (android.graphics.Color)	4288651833 (0xFF9FA239)
YUV	149.1330, -45.4216, 8.6534
Hunter-Lab	57.8852, -15.0888, 31.4396

Details

The XYZ color **27.9569, 33.5070, 8.8649** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.8493, 6.4963, 34.9193**, and the grayscale version is **28.7997, 30.2996, 32.9962**.

A 20% lighter version of the original color is **55.8921, 65.3288, 24.1319**, and **11.3934, 14.3119, 2.1620** is the 20% darker color. If you saturate the color by 10%, you get **27.5241, 33.3245, 7.0614**, and if you desaturate by 10%, it is **28.5206, 33.7443, 11.3489**.

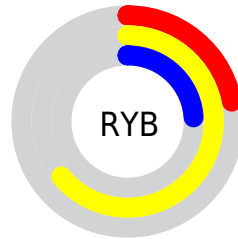
Distribution



Red (62%)

Green (64%)

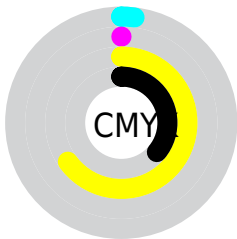
Blue (22%)



Red (22%)

Yellow (64%)

Blue (24%)

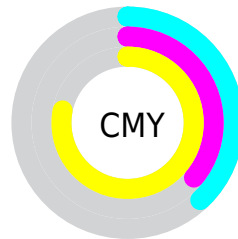


Cyan (2%)

Magenta (0%)

Yellow (65%)

Black (36%)



Cyan (38%)

Magenta (36%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9569, 33.5070, 8.8649 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 27.9569, 33.5070, 8.8649 by changing the saturation by 10% instead.

■ 27.9569, 33.5070,
8.8649

■ 27.9569, 33.5070,
8.8649

284.3447,
317.9282, 192.5477

■ 18.4335, 22.5151,
4.5576

■ 55.8247, 65.1663,
24.2109

■ 11.3632, 14.2359,
1.9359

■ 74.8999, 86.6025,
36.0867

■ 6.3808, 8.2849,
0.5155

■ 97.8896, 112.2889,
51.3223

■ 3.1208, 4.2778,
0.0000

■ 125.1593,
142.6099, 70.3364

■ 1.2180, 1.8301,
0.0000

■ 157.0743,
177.9500, 93.5474

■ 0.1205, 0.5059,
0.0000

■ 193.9999,

■ 0.0000, 0.0000,

218.6934, 121.3739

0.0000

236.3016,
265.2247, 154.2345

■ 27.9569, 33.5070,
8.8649

■ 27.9569, 33.5070,
8.8649

■ 27.5241, 33.3245,
7.0614

■ 28.5206, 33.7443,
11.3489

■ 27.2071, 33.1871,
5.8692

■ 29.2239, 34.0363,
14.5698

■ 26.9908, 33.0901,
5.2057

■ 30.0775, 34.3885,
18.5805

■ 26.8977, 33.0474,
4.9611

■ 31.0904, 34.8045,
23.4284

■ 32.2710, 35.2875,
29.1571

■ 33.6269, 35.8407,
35.8075

■ 35.1654, 36.4670,
43.4175

■ 36.8934, 37.1691,
52.0232

■ 38.8172, 37.9496,
61.6587

Harmonies

Analogous

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



35.6580, 33.5070, 8.7481



27.9569, 33.5070, 8.8649



22.3001, 33.5070, 14.0480

Triad

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



27.9569, 33.5070, 8.8649



22.5275, 33.5070, 76.5133



48.6253, 33.5070, 48.0286

Complementary

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



27.9569, 33.5070, 8.8649



9.8493, 6.4963, 34.9193

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.



43.7919, 33.5070, 75.1723



27.9569, 33.5070, 8.8649



28.3185, 33.5070, 95.6190

Square

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



27.9569, 33.5070, 8.8649



19.5310, 33.5070, 49.3922



36.0831, 33.5070, 95.0473



48.4859, 33.5070, 26.0460

Rectangle

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



27.9569, 33.5070, 8.8649



20.0786, 33.5070, 21.6017



36.0831, 33.5070, 95.0473



47.4980, 33.5070, 56.9891

Sweetspot

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



27.9577, 33.5085, 8.8656



57.5691, 63.6441, 47.9969



17.1911, 11.0799, 5.1039



12.7999, 14.2410, 10.1503



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.9577, 33.5085, 8.8656



49.6717, 60.3685, 11.6777



19.8142, 29.3104, 8.4845



7.6293, 8.2269, 7.5659



21.1958, 26.0373, 3.9086



0.4512, 0.5501, 0.0824

Inverse Universe

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



9.8493, 6.4963, 34.9193



14.2185, 7.4454, 62.7438



14.5728, 8.9314, 35.1404



6.7183, 6.8692, 8.8749



5.1899, 2.0820, 27.0581



0.1144, 0.0465, 0.5688

Previews

White Background



This preview shows how the XYZ color 27.9569, 33.5070, 8.8649 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 27.9569, 33.5070, 8.8649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

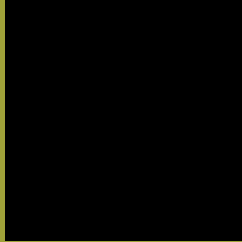
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.9569, 33.5070, 8.8649

Background



This preview shows how black text looks on a background with the XYZ color 27.9569, 33.5070, 8.8649.



This preview shows how white text looks on a background with the XYZ color 27.9569, 33.5070,

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

27.9569, 33.5070, 8.8649

Protanopia

30.4500, 33.5134, 8.6052

Deuteranopia

34.0954, 33.4339, 9.0712



Tritanopia

34.2013, 33.5358, 39.3208

Trichromacy



Original Color

27.9569, 33.5070, 8.8649

Protanomaly

29.4741, 33.5168, 8.6573

Deuteranomaly

31.6626, 33.3825, 9.0496

Tritanomaly

31.0436, 33.2315, 23.8469

Monochromacy



Original Color

27.9569, 33.5070, 8.8649

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

27.8449, 31.1445, 21.0669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9569, 33.5070, 8.8649 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(159, 162, 57)` looks like.

```
.text, #text, p{  
    color:rgb(159, 162, 57)  
}
```

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(159, 162, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 162, 57) }
```

Border

The CSS property to change the border of an element to XYZ 27.9569, 33.5070, 8.8649 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(159, 162, 57) }
```


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

```
.border{ border-color:rgb(159, 162, 57) }
```

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

Here you see how a box with a 4 pixel rgb(159, 162, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 162, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 162, 57);  
box-shadow:4px 4px 4px 4px rgb(159, 162,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9569, 33.5070, 8.8649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 162, 57) }
```

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

```
.background{ background-color: rgb(159,  
162, 57) }
```

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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