

Converting Colors

XYZ(27.9581, 33.4738, 11.4326)

Have a look what the booklet for
XYZ(27.9581, 33.4738, 11.4326)
contains.

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Color

**XYZ(27.8667, 33.4030,
11.4573)**

Conversions

Conversions Part 1

Format	Color
Hex	9CA24A
RGB	156, 162, 74
RGB Percent	61%, 64%, 29%
CMY	0.3882, 0.3647, 0.7098
CMYK	0.04, 0.00, 0.54, 0.36
HSL	64°, 37%, 46%
HSV	64°, 54%, 64%
XYZ	27.8667, 33.4030, 11.4573
YIQ	150.1740, 24.6720, -28.6400

Conversions

Conversions Part 2

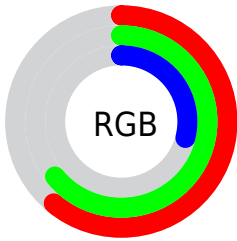
Format	Color
RYB	74, 162, 80
Decimal	10265162
CIELab	64.49, -14.76, 44.35
CIELCh	64, 46.739, 108.407
Yxy	33.4030, 0.3832, 0.4593
Android (android.graphics.Color)	4288455242 (0xFF9CA24A)
YUV	150.1740, -37.5538, 5.1094
Hunter-Lab	57.7953, -15.0759, 28.7031

Details

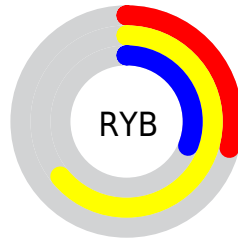
The XYZ color **27.8667, 33.4030, 11.4573** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **12.2798, 9.2125, 35.3154**, and the grayscale version is **29.2113, 30.7326, 33.4678**.

A 20% lighter version of the original color is **55.6659, 65.1034, 29.0343**, and **11.3186, 14.2555, 2.9656** is the 20% darker color. If you saturate the color by 10%, you get **27.1771, 33.1038, 8.9340**, and if you desaturate by 10%, it is **28.7004, 33.7625, 14.7224**.

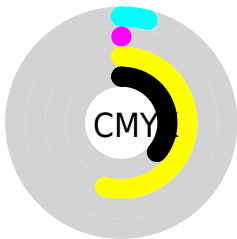
Distribution



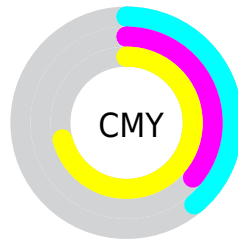
- Red (61%)
- Green (64%)
- Blue (29%)



- Red (29%)
- Yellow (64%)
- Blue (31%)



- Cyan (4%)
- Magenta (0%)
- Yellow (54%)
- Black (36%)




- Cyan (39%)
- Magenta (36%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8667, 33.4030, 11.4573 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 27.8667, 33.4030, 11.4573 by changing the saturation by 10% instead.


 27.8667, 33.4030,
11.4573


 27.8667, 33.4030,
11.4573


283.9211,
317.4618, 211.6274


 18.3651, 22.4353,
6.2573


 55.6817, 65.0042,
29.1522

 11.3137, 14.1771,
2.9308


 74.7258, 86.4065,
42.4842


 6.3471, 8.2440,
1.0594


 97.6815, 112.0559,
59.3639

 3.0999, 4.2515,
0.0000

 124.9142,
142.3367, 80.2099

 1.2068, 1.8152,
0.0000

 156.7891,
177.6333, 105.4407

 0.1117, 0.4966,
0.0000

193.6716,

 0.0000, 0.0000,

218.3300, 135.4748

0.0000

235.9272,
264.8114, 170.7309

■ 27.8667, 33.4030,
11.4573

■ 27.8667, 33.4030,
11.4573

■ 27.1771, 33.1038,
8.9340

■ 28.7004, 33.7625,
14.7224

■ 26.6183, 32.8559,
7.0922

■ 29.6857, 34.1817,
18.7791

■ 26.1782, 32.6557,
5.8660

■ 30.8323, 34.6656,
23.6753

■ 25.8416, 32.4971,
5.1748

■ 32.1486, 35.2176,
29.4545

■ 25.6744, 32.4168,
4.9039

■ 33.6422, 35.8408,
36.1573

■ 35.3204, 36.5380,
43.8217

■ 37.1899, 37.3120,
52.4836

■ 39.2573, 38.1654,
62.1770

■ 41.5287, 39.1006,
72.9343

Harmonies

Analogous

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



34.3977, 33.4030, 10.9419



27.8667, 33.4030, 11.4573



23.0864, 33.4030, 17.0225

Triad

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



27.8667, 33.4030, 11.4573



23.9694, 33.4030, 71.3584



46.0505, 33.4030, 44.2666

Complementary

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



27.8667, 33.4030, 11.4573



12.2798, 9.2125, 35.3154

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.



42.3445, 33.4030, 66.6269



27.8667, 33.4030, 11.4573



29.2390, 33.4030, 85.5537

Square

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



27.8667, 33.4030, 11.4573



21.0633, 33.4030, 49.2520



35.9751, 33.4030, 83.5699



45.5466, 33.4030, 25.9566

Rectangle

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



27.8667, 33.4030, 11.4573



21.2495, 33.4030, 24.4529



35.9751, 33.4030, 83.5699



45.2368, 33.4030, 51.6402

Sweetspot

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



27.8675, 33.4045, 11.4580



57.8611, 63.7228, 51.2570



18.9964, 13.8945, 8.1597



12.8879, 14.2668, 11.0381



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.



27.8675, 33.4045, 11.4580



49.1232, 60.0010, 15.4845



20.8567, 29.7903, 11.1299



7.6015, 8.2126, 7.5646



20.2404, 25.5448, 3.8639



0.4385, 0.5436, 0.0818

Inverse Universe

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



12.2798, 9.2125, 35.3154



17.9019, 11.5039, 63.3331



17.2644, 11.7821, 35.5487



6.7432, 6.8820, 8.8760



5.2620, 2.1191, 27.0615



0.1232, 0.0510, 0.5692

Previews

White Background



This preview shows how the XYZ color 27.8667, 33.4030, 11.4573 looks on a white background.

Color Contrast Check

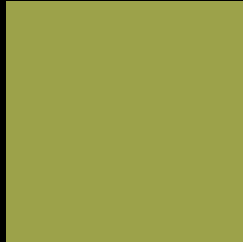
Large Text (above 18pt) WCAG AA × Fail

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 27.8667, 33.4030, 11.4573 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 27.8667, 33.4030, 11.4573

Background



This preview shows how black text looks on a background with the XYZ color 27.8667, 33.4030, 11.4573.



This preview shows how white text looks on a background with the XYZ color 27.8667, 33.4030,

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

27.8667, 33.4030, 11.4573

Protanopia

30.2917, 33.1291, 10.9289

Deuteranopia

33.8608, 33.2514, 11.8412



Tritanopia

33.4461, 33.1361, 39.7551

Trichromacy



Original Color

27.8667, 33.4030, 11.4573

Protanomaly

29.3658, 33.1502, 11.1542

Deuteranomaly

31.4856, 33.2307, 11.7759

Tritanomaly

30.8855, 33.0970, 26.2333

Monochromacy



Original Color

27.8667, 33.4030, 11.4573

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.0173, 31.1917, 22.9563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8667, 33.4030, 11.4573 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(156, 162, 74)` looks like.

```
.text, #text, p{  
    color:rgb(156, 162, 74)  
}
```

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(156, 162, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 162, 74) }
```

Border

The CSS property to change the border of an element to XYZ 27.8667, 33.4030, 11.4573 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(156, 162, 74) }
```


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

```
.border{ border-color:rgb(156, 162, 74) }
```

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

Here you see how a box with a 4 pixel rgb(156, 162, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 162, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 162, 74);  
box-shadow:4px 4px 4px 4px rgb(156, 162,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8667, 33.4030, 11.4573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 162, 74) }
```

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

```
.background{ background-color: rgb(156,  
162, 74) }
```

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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