

Converting Colors

XYZ(27.9577, 34.7460, 13.4167)

Have a look what the booklet for
XYZ(27.9577, 34.7460, 13.4167)
contains.

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Color

**XYZ(27.9577, 34.7460,
13.4167)**

Conversions

Conversions Part 1

Format	Color
Hex	96A753
RGB	150, 167, 83
RGB Percent	59%, 65%, 33%
CMY	0.4118, 0.3451, 0.6745
CMYK	0.10, 0.00, 0.50, 0.35
HSL	72°, 34%, 49%
HSV	72°, 50%, 65%
XYZ	27.9577, 34.7460, 13.4167
YIQ	152.3410, 16.8320, -29.7280

Conversions

Conversions Part 2

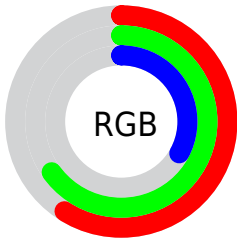
Format	Color
RYB	83, 167, 100
Decimal	9873235
CIELab	65.55, -18.99, 41.08
CIELCh	66, 45.256, 114.804
Yxy	34.7460, 0.3673, 0.4565
Android (android.graphics.Color)	4288063315 (0xFF96A753)
YUV	152.3410, -34.1851, -2.0531
Hunter-Lab	58.9457, -18.4933, 27.7670

Details

The XYZ color **27.9577, 34.7460, 13.4167** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **15.3251, 11.6867, 38.0093**, and the grayscale version is **30.1313, 31.7005, 34.5218**.

A 20% lighter version of the original color is **55.9480, 67.1136, 32.9271**, and **11.3350, 14.9127, 3.7199** is the 20% darker color. If you saturate the color by 10%, you get **26.7762, 34.2038, 10.3918**, and if you desaturate by 10%, it is **29.3142, 35.3627, 17.2619**.

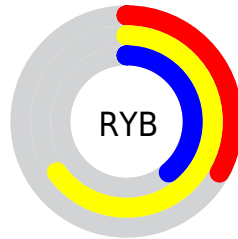
Distribution



Red (59%)

Green (65%)

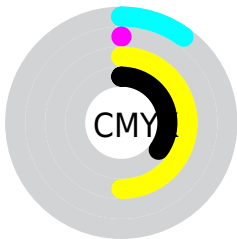
Blue (33%)



Red (33%)

Yellow (65%)

Blue (39%)

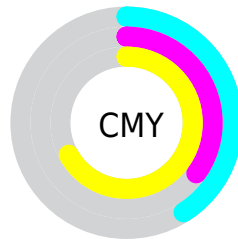


Cyan (10%)

Magenta (0%)

Yellow (50%)

Black (35%)



Cyan (41%)

Magenta (35%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9577, 34.7460, 13.4167 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 27.9577, 34.7460, 13.4167 by changing the saturation by 10% instead.

■ 27.9577, 34.7460,
13.4167

■ 27.9577, 34.7460,
13.4167

284.3485,
323.4458, 224.8721

■ 18.4341, 23.4673,
7.5820

■ 55.8260, 67.0921,
32.7525

■ 11.3636, 14.9389,
3.7448

■ 74.9014, 88.9283,
47.0907

■ 6.3811, 8.7765,
1.4864

■ 97.8914, 115.0524,
65.1005

■ 3.1210, 4.5957,
0.2078

■ 125.1614,
145.8488, 87.2004

■ 1.2181, 2.0121,
0.0000

■ 157.0768,
181.7020, 113.8089

■ 0.1206, 0.6145,
0.0000

194.0029,

■ 0.0000, 0.0000,

222.9963, 145.3447

0.0000

236.3050,
270.1161, 182.2263

■ 27.9577, 34.7460,
13.4167

■ 27.9577, 34.7460,
13.4167

■ 26.7762, 34.2038,
10.3918

■ 29.3142, 35.3627,
17.2619

■ 25.7557, 33.7268,
8.1252

■ 30.8534, 36.0534,
21.9790

■ 24.8839, 33.3113,
6.5498

■ 32.5858, 36.8235,
27.6180

■ 24.1455, 32.9513,
5.5857

■ 34.5202, 37.6765,
34.2243

■ 23.5236, 32.6416,
5.0606

■ 36.6647, 38.6156,
41.8405

■ 39.0270, 39.6441,
50.5067

■ 41.6146, 40.7649,
60.2606

■ 44.4344, 41.9806,
71.1381

■ 47.4929, 43.2942,
83.1737

Harmonies

Analogous

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



34.1937, 34.7460, 11.8673



27.9577, 34.7460, 13.4167



23.6596, 34.7460, 20.4415

Triad

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



27.9577, 34.7460, 13.4167



26.2051, 34.7460, 76.2254



47.4265, 34.7460, 41.2382

Complementary

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



27.9577, 34.7460, 13.4167



15.3251, 11.6867, 38.0093

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.



44.5838, 34.7460, 63.0357



27.9577, 34.7460, 13.4167



31.8833, 34.7460, 87.1210

Square

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



27.9577, 34.7460, 13.4167



22.7467, 34.7460, 55.3203



38.6704, 34.7460, 81.6258



46.0098, 34.7460, 24.4834

Rectangle

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



27.9577, 34.7460, 13.4167



22.1815, 34.7460, 29.0421



38.6704, 34.7460, 81.6258



46.9273, 34.7460, 48.2387

Sweetspot

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



27.9585, 34.7476, 13.4174



60.0515, 66.6940, 55.1862



22.0369, 17.9170, 10.4809



13.2829, 14.8562, 11.8209



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



27.9585, 34.7476, 13.4174



47.7978, 61.1820, 18.2428



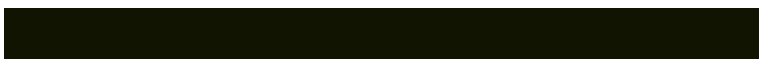
21.5900, 31.4644, 13.1194



7.9959, 8.6960, 8.0463



18.0401, 24.9972, 3.8741



0.4756, 0.6271, 0.0960

Inverse Universe

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



15.3251, 11.6867, 38.0093



22.6892, 15.2771, 67.2282



21.1905, 14.7105, 38.2838



7.2684, 7.3710, 9.4580



5.8710, 2.4101, 28.1312



0.1816, 0.0786, 0.6862

Previews

White Background



This preview shows how the XYZ color 27.9577, 34.7460, 13.4167 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 27.9577, 34.7460, 13.4167 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 27.9577, 34.7460, 13.4167

Background



This preview shows how black text looks on a background with the XYZ color 27.9577, 34.7460, 13.4167.



This preview shows how white text looks on a background with the XYZ color 27.9577, 34.7460,

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

27.9577, 34.7460, 13.4167

Protanopia

31.7506, 34.6056, 12.5955

Deuteranopia

35.1967, 34.6139, 13.8429



Tritanopia

33.8099, 34.4898, 42.9054

Trichromacy



Original Color

27.9577, 34.7460, 13.4167

Protanomaly

30.3419, 34.6502, 12.8736

Deuteranomaly

32.0968, 34.2508, 13.7235

Tritanomaly

31.0426, 34.3926, 29.0471

Monochromacy



Original Color

27.9577, 34.7460, 13.4167

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.6502, 32.2256, 24.7888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9577, 34.7460, 13.4167 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(150, 167, 83)` looks like.

```
.text, #text, p{  
    color:rgb(150, 167, 83)  
}
```

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(150, 167, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 167, 83) }
```

Border

The CSS property to change the border of an element to XYZ 27.9577, 34.7460, 13.4167 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(150, 167, 83) }
```


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

```
.border{ border-color:rgb(150, 167, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 167, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 167, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 167, 83);  
box-shadow:4px 4px 4px 4px rgb(150, 167,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9577, 34.7460, 13.4167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 167, 83) }
```

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

```
.background{ background-color: rgb(150,  
167, 83) }
```

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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