

Converting Colors

XYZ(9.3868, 13.3316, 8.5414)

Have a look what the booklet for
XYZ(9.3868, 13.3316, 8.5414)
contains.

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Color

**XYZ(9.3449, 13.2760,
8.5486)**

Conversions

Conversions Part 1

Format	Color
Hex	43704A
RGB	67, 112, 74
RGB Percent	26%, 44%, 29%
CMY	0.7373, 0.5608, 0.7098
CMYK	0.40, 0.00, 0.34, 0.56
HSL	129°, 25%, 35%
HSV	129°, 40%, 44%
XYZ	9.3449, 13.2760, 8.5486
YIQ	94.2130, -14.6220, -21.3580

Conversions

Conversions Part 2

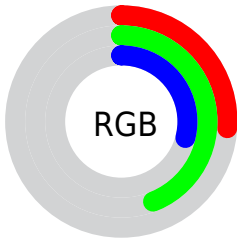
Format	Color
RYB	67, 106, 112
Decimal	4419658
CIELab	43.18, -24.30, 16.39
CIELCh	43, 29.308, 146.002
Yxy	13.2760, 0.2998, 0.4259
Android (android.graphics.Color)	4282609738 (0xFF43704A)
YUV	94.2130, -9.9650, -23.8658
Hunter-Lab	36.4362, -17.9831, 11.5949

Details

The XYZ color **9.3449, 13.2760, 8.5486** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.2394, 8.4792, 14.4091**, and the grayscale version is **10.7153, 11.2734, 12.2767**.

A 20% lighter version of the original color is **24.1867, 31.7629, 23.5950**, and **2.3172, 3.8891, 1.8568** is the 20% darker color. If you saturate the color by 10%, you get **8.3551, 12.8002, 6.9623**, and if you desaturate by 10%, it is **10.5319, 13.8487, 10.3948**.

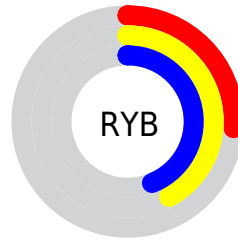
Distribution



Red (26%)

Green (44%)

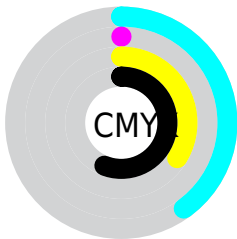
Blue (29%)



Red (26%)

Yellow (42%)

Blue (44%)

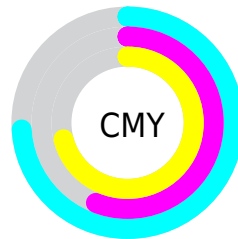


Cyan (40%)

Magenta (0%)

Yellow (34%)

Black (56%)



Cyan (74%)

Magenta (56%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.3449, 13.2760, 8.5486 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 9.3449, 13.2760, 8.5486 by changing the saturation by 10% instead.

■ 9.3449, 13.2760,
8.5486

■ 9.3449, 13.2760,
8.5486

180.0835,
212.6790, 190.0662

■ 5.0257, 7.6189,
4.3552

■ 24.2168, 31.7987,
23.5908

■ 2.2973, 3.8521,
1.8221

■ 35.5003, 45.4332,
35.2766

■ 0.7933, 1.5912,
0.4425

■ 49.8359, 62.4955,
50.2970

■ 0.0000, 0.3516,
0.0000

■ 67.5890, 83.3700,
69.0705

■ 0.0000, 0.0000,
0.0000

■ 89.1250, 108.4413,
92.0156

114.8091,

138.0936, 119.5509

145.0069,
172.7114, 152.0949

■ 9.3449, 13.2760,
8.5486

■ 9.3449, 13.2760,
8.5486

■ 8.3551, 12.8002,
6.9623

■ 10.5319, 13.8487,
10.3948

■ 7.5507, 12.4143,
5.6235

■ 11.9249, 14.5214,
12.5110

■ 6.9203, 12.1131,
4.5198


■ 13.5336, 15.2993,
14.9078

■ 6.4507, 11.8901,
3.6378


■ 15.3665, 16.1867,
17.5948


■ 6.1269, 11.7378,
2.9623


■ 17.4320, 17.1875,
20.5813

 5.8989, 11.6306,
2.4819

 19.7377, 18.3056,
23.8763

 22.2912, 19.5447,
27.4881

 25.0994, 20.9081,
31.4250

 28.1693, 22.3994,
35.6948

Harmonies

Analogous

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



10.8060, 13.2760, 5.9009



9.3449, 13.2760, 8.5486



8.7577, 13.2760, 13.6040

Triad

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



9.3449, 13.2760, 8.5486



12.3176, 13.2760, 30.7835



16.9455, 13.2760, 9.6529

Complementary

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



9.3449, 13.2760, 8.5486



11.2394, 8.4792, 14.4091

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.



17.4739, 13.2760, 15.3414



9.3449, 13.2760, 8.5486



14.6230, 13.2760, 28.7911

Square

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



9.3449, 13.2760, 8.5486



10.3392, 13.2760, 27.4379



16.5790, 13.2760, 22.5997



15.2103, 13.2760, 6.3919

Rectangle

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



9.3449, 13.2760, 8.5486



8.8821, 13.2760, 18.1685



16.5790, 13.2760, 22.5997



17.2784, 13.2760, 11.2860

Sweetspot

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



9.3452, 13.2766, 8.5489



23.1383, 26.5684, 25.2472



12.6629, 15.0126, 7.5405



5.4938, 6.3515, 5.9690



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



9.3452, 13.2766, 8.5489



14.8237, 22.5563, 12.4690



10.2321, 13.6313, 13.2190



3.3643, 3.7709, 3.7246



6.8130, 13.4427, 2.8360



33.7256, 66.8789, 13.0061

Inverse Universe

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



11.2394, 8.4792, 14.4091



18.6323, 12.8982, 24.2436



10.2413, 8.0799, 9.1531



3.4932, 3.4450, 4.1239



10.0839, 4.9259, 12.7838



49.9737, 24.4348, 62.3188

Previews

White Background



This preview shows how the XYZ color 9.3449, 13.2760, 8.5486 looks on a white background.

Color Contrast Check

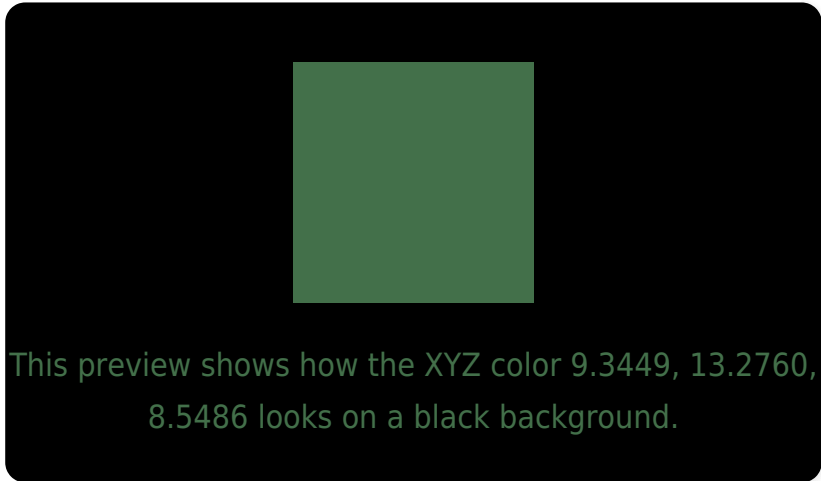
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.3449, 13.2760, 8.5486

Background



This preview shows how black text looks on a background with the XYZ color 9.3449, 13.2760, 8.5486.

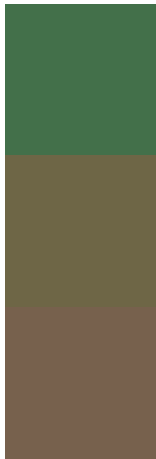


This preview shows how white text looks on a background with the XYZ color 9.3449, 13.2760,

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

9.3449, 13.2760, 8.5486

Protanopia

12.2873, 13.2599, 7.7062

Deuteranopia

13.2220, 13.0071, 8.8349



Tritanopia

11.3327, 13.2897, 18.1875

Trichromacy



Original Color

9.3449, 13.2760, 8.5486

Protanomaly

10.9075, 13.1427, 7.9231

Deuteranomaly

11.3114, 12.7339, 8.6992

Tritanomaly

10.5165, 13.2738, 14.0644

Monochromacy



Original Color

9.3449, 13.2760, 8.5486

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.0301, 11.8803, 10.7813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.3449, 13.2760, 8.5486 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(67, 112, 74)` looks like.

```
.text, #text, p{  
    color:rgb(67, 112, 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(67, 112, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 112, 74) }
```

Border

The CSS property to change the border of an element to XYZ 9.3449, 13.2760, 8.5486 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(67, 112, 74) }
```


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

```
.border{ border-color:rgb(67, 112, 74) }
```

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

Here you see how a box with a 4 pixel rgb(67, 112, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 112, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 112, 74);  
box-shadow:4px 4px 4px 4px rgb(67, 112,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 9.3449, 13.2760, 8.5486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 112, 74) }
```

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

```
.background{ background-color: rgb(67, 112,  
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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