

Converting Colors

XYZ(9.4418, 12.3508, 9.6905)

Have a look what the booklet for
XYZ(9.4418, 12.3508, 9.6905)
contains.

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Color

**XYZ(9.4633, 12.3580,
9.6711)**

Conversions

Conversions Part 1

Format	Color
Hex	4A6A51
RGB	74, 106, 81
RGB Percent	29%, 42%, 32%
CMY	0.7098, 0.5843, 0.6824
CMYK	0.30, 0.00, 0.24, 0.58
HSL	133°, 18%, 35%
HSV	133°, 30%, 42%
XYZ	9.4633, 12.3580, 9.6711
YIQ	93.5820, -11.0470, -14.5590

Conversions

Conversions Part 2

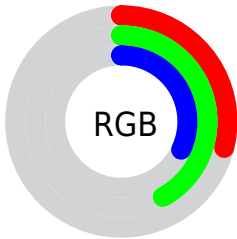
Format	Color
RYB	74, 100, 106
Decimal	4876881
CIELab	41.78, -17.31, 10.38
CIElCh	42, 20.184, 149.036
Yxy	12.3580, 0.3005, 0.3924
Android (android.graphics.Color)	4283066961 (0xFF4A6A51)
YUV	93.5820, -6.2029, -17.1734
Hunter-Lab	35.1539, -13.4679, 8.2967

Details

The XYZ color **9.4633, 12.3580, 9.6711** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.6452, 8.8629, 12.9547**, and the grayscale version is **10.5571, 11.1068, 12.0953**.

A 20% lighter version of the original color is **24.3984, 30.0107, 25.6258**, and **2.3104, 3.4004, 2.2036** is the 20% darker color. If you saturate the color by 10%, you get **8.4232, 11.8559, 8.0991**, and if you desaturate by 10%, it is **10.6795, 12.9472, 11.4497**.

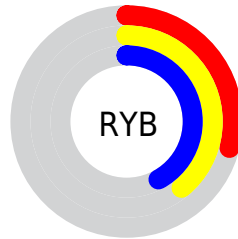
Distribution



Red (29%)

Green (42%)

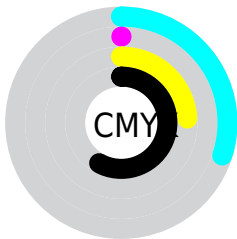
Blue (32%)



Red (29%)

Yellow (39%)

Blue (42%)

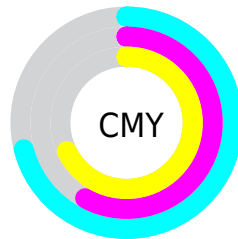


Cyan (30%)

Magenta (0%)

Yellow (24%)

Black (58%)



Cyan (71%)

Magenta (58%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.4633, 12.3580, 9.6711 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 9.4633, 12.3580, 9.6711 by changing the saturation by 10% instead.

9.4633, 12.3580,
9.6711

9.4633, 12.3580,
9.6711

180.9323,
206.7611, 198.7070

5.1041, 6.9880,
5.0787

24.4400, 30.1455,
25.7731

2.3439, 3.4546,
2.2340

35.7881, 43.3317,
38.1197

0.8170, 1.3734,
0.6939

50.1967, 59.8922,
53.8882

0.0000, 0.1970,
0.0000

68.0309, 80.2112,
73.4971

0.0000, 0.0000,
0.0000

89.6563, 104.6732,
97.3649

115.4380,

133.6626, 125.9101

145.7416,
167.5638, 159.5513

■ 9.4633, 12.3580,
9.6711

■ 9.4633, 12.3580,
9.6711

■ 8.4232, 11.8559,
8.0991

■ 10.6795, 12.9472,
11.4497

■ 7.5499, 11.4352,
6.7253

■ 12.0786, 13.6259,
13.4411

■ 6.8350, 11.0921,
5.5421

■ 13.6681, 14.3980,
15.6523

■ 6.2685, 10.8216,
4.5411

■ 15.4548, 15.2670,
18.0899

■ 5.8396, 10.6184,
3.7131

■ 17.4453, 16.2360,
20.7599

■ 5.5359, 10.4762,
3.0482

■ 19.6456, 17.3083,
23.6684

■ 5.3108, 10.3711,
2.5423

■ 22.0619, 18.4866,
26.8210

■ 24.6997, 19.7739,
30.2233

■ 27.5646, 21.1728,
33.8807

Harmonies

Analogous

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



10.4136, 12.3580, 7.4968



9.4633, 12.3580, 9.6711



9.1156, 12.3580, 13.3186

Triad

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



9.4633, 12.3580, 9.6711



11.6979, 12.3580, 23.4021



14.4239, 12.3580, 9.8637

Complementary

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



9.4633, 12.3580, 9.6711



10.6452, 8.8629, 12.9547

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.



14.8390, 12.3580, 13.5939



9.4633, 12.3580, 9.6711



13.1872, 12.3580, 21.9483

Square

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



9.4633, 12.3580, 9.6711



10.3370, 12.3580, 21.7581



14.3689, 12.3580, 18.1178



13.2774, 12.3580, 7.5904

Rectangle

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



9.4633, 12.3580, 9.6711



9.2478, 12.3580, 16.3035



14.3689, 12.3580, 18.1178



14.6577, 12.3580, 10.9606

Sweetspot

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



9.4636, 12.3585, 9.6714



21.4453, 24.0331, 23.9367



11.5434, 13.4595, 8.4683



4.9558, 5.5968, 5.5119



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



9.4636, 12.3585, 9.6714



15.3329, 21.0722, 15.0563



10.1331, 12.6263, 13.1965



3.0886, 3.4546, 3.4504



6.5789, 12.8657, 3.0939



33.2471, 65.4459, 14.3143

Inverse Universe

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



10.6452, 8.8629, 12.9547



17.7534, 13.9068, 21.7785



9.9570, 8.5876, 9.3302



3.1906, 3.1531, 3.7342



9.2927, 4.5692, 10.4358



47.0185, 23.1494, 51.4277

Previews

White Background



This preview shows how the XYZ color 9.4633, 12.3580, 9.6711 looks on a white background.

Color Contrast Check

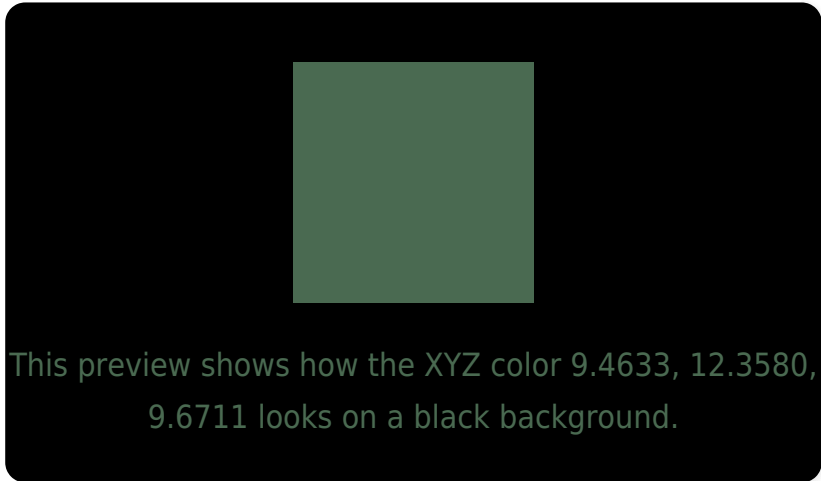
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.4633, 12.3580, 9.6711

Background



This preview shows how black text looks on a background with the XYZ color 9.4633, 12.3580, 9.6711.



This preview shows how white text looks on a background with the XYZ color 9.4633, 12.3580,

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

9.4633, 12.3580, 9.6711

Protanopia

11.5329, 12.2744, 8.7825

Deuteranopia

12.4636, 12.3197, 9.9046



Tritanopia

10.8741, 12.3340, 16.5594

Trichromacy



Original Color

9.4633, 12.3580, 9.6711

Protanomaly

10.6449, 12.2371, 9.0087

Deuteranomaly

11.1304, 12.1855, 9.7480

Tritanomaly

10.2443, 12.2210, 13.6233

Monochromacy



Original Color

9.4633, 12.3580, 9.6711

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.1013, 11.4829, 11.1352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.4633, 12.3580, 9.6711 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(74, 106, 81)` looks like.

```
.text, #text, p{  
    color:rgb(74, 106, 81)  
}
```

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(74, 106, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 106, 81) }
```

Border

The CSS property to change the border of an element to XYZ 9.4633, 12.3580, 9.6711 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(74, 106, 81) }
```


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

```
.border{ border-color:rgb(74, 106, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 106, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 106, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 106, 81);  
box-shadow:4px 4px 4px 4px rgb(74, 106,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 9.4633, 12.3580, 9.6711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 106, 81) }
```

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

```
.background{ background-color: rgb(74, 106,  
81) }
```

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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