

Converting Colors

XYZ(9.5702, 12.8594, 9.7522)

Have a look what the booklet for
XYZ(9.5702, 12.8594, 9.7522)
contains.

XYZ(9.5524, 12.8710, 9.7655)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(9.5524, 12.8710,
9.7655)**

Conversions

Conversions Part 1

Format	Color
Hex	476D51
RGB	71, 109, 81
RGB Percent	28%, 43%, 32%
CMY	0.7216, 0.5725, 0.6823
CMYK	0.35, 0.00, 0.26, 0.57
HSL	136°, 21%, 35%
HSV	136°, 35%, 43%
XYZ	9.5524, 12.8710, 9.7655
YIQ	94.4460, -13.6600, -16.7640

Conversions

Conversions Part 2

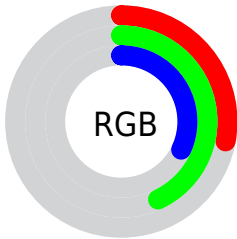
Format	Color
RYB	71, 101, 109
Decimal	4681041
CIELab	42.57, -19.98, 11.46
CIElCh	43, 23.033, 150.175
Yxy	12.8710, 0.2968, 0.3999
Android (android.graphics.Color)	4282871121 (0xFF476D51)
YUV	94.4460, -6.6289, -20.5621
Hunter-Lab	35.8762, -15.2559, 8.9746

Details

The XYZ color **9.5524, 12.8710, 9.7655** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.8125, 8.6588, 12.9063**, and the grayscale version is **10.7629, 11.3235, 12.3312**.

A 20% lighter version of the original color is **24.6593, 31.1664, 25.8351**, and **2.3639, 3.6591, 2.2507** is the 20% darker color. If you saturate the color by 10%, you get **8.5400, 12.3822, 8.2379**, and if you desaturate by 10%, it is **10.7445, 13.4490, 11.4881**.

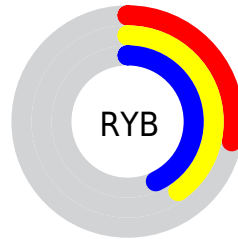
Distribution



Red (28%)

Green (43%)

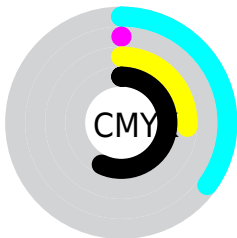
Blue (32%)



Red (28%)

Yellow (40%)

Blue (43%)

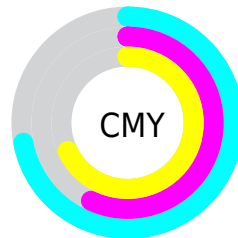


Cyan (35%)

Magenta (0%)

Yellow (26%)

Black (57%)



Cyan (72%)

Magenta (57%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.5524, 12.8710, 9.7655 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 9.5524, 12.8710, 9.7655 by changing the saturation by 10% instead.

9.5524, 12.8710,
9.7655

9.5524, 12.8710,
9.7655

181.5682,
210.0893, 199.4137

5.1632, 7.3398,
5.1402

24.6075, 31.0718,
25.9544

2.3791, 3.6755,
2.2696

36.0042, 44.5102,
38.3550

0.8347, 1.4937,
0.7141

50.4673, 61.3532,
54.1845

0.0000, 0.2843,
0.0000

68.3623, 81.9850,
73.8614

0.0000, 0.0000,
0.0000

90.0545, 106.7901,
97.8042

115.9094,

136.1529, 126.4315

146.2921,
170.4579, 160.1619

■ 9.5524, 12.8710,
9.7655

■ 9.5524, 12.8710,
9.7655

■ 8.5400, 12.3822,
8.2379

■ 10.7445, 13.4490,
11.4881

■ 7.6975, 11.9767,
6.8976

■ 12.1237, 14.1189,
13.4113

■ 7.0155, 11.6501,
5.7375

■ 13.6980, 14.8849,
15.5417

■ 6.4833, 11.3970,
4.7500

■ 15.4747, 15.7509,
17.8853

■ 6.0887, 11.2114,
3.9265

■ 17.4608, 16.7201,
20.4477

■ 5.8109, 11.0827,
3.2579

■ 19.6629, 17.7959,
23.2344

■ 5.6868, 11.0250,
2.9704

■ 22.0873, 18.9814,
26.2507

■ 24.7399, 20.2797,
29.5018

■ 27.6267, 21.6936,
32.9927

Harmonies

Analogous

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



10.6264, 12.8710, 7.2513



9.5524, 12.8710, 9.7655



9.1813, 12.8710, 14.0437

Triad

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



9.5524, 12.8710, 9.7655



12.2438, 12.8710, 25.9577



15.3625, 12.8710, 9.7256

Complementary

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



9.5524, 12.8710, 9.7655



10.8125, 8.6588, 12.9063

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.



15.8967, 12.8710, 13.9850



9.5524, 12.8710, 9.7655



13.9950, 12.8710, 24.0467

Square

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



9.5524, 12.8710, 9.7655



10.6426, 12.8710, 24.0889



15.3745, 12.8710, 19.3453



13.9756, 12.8710, 7.2324

Rectangle

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



9.5524, 12.8710, 9.7655



9.3520, 12.8710, 17.5888



15.3745, 12.8710, 19.3453



15.6534, 12.8710, 10.9602

Sweetspot

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



9.5527, 12.8715, 9.7658



22.9569, 25.8881, 25.7166



11.8069, 14.0738, 8.0556



5.2746, 5.9914, 5.8927



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



9.5527, 12.8715, 9.7658



15.5776, 22.3093, 15.1912



10.3437, 13.1879, 13.9310



3.0937, 3.4567, 3.4772



6.6419, 12.8908, 3.4254



33.5294, 65.5588, 15.8005

Inverse Universe

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



10.8125, 8.6588, 12.9063



18.2048, 13.5142, 21.7334



10.0268, 8.3446, 8.7691



3.1852, 3.1510, 3.7058



9.0737, 4.4816, 9.2823



45.8633, 22.6873, 45.3445

Previews

White Background



This preview shows how the XYZ color 9.5524, 12.8710, 9.7655 looks on a white background.

Color Contrast Check

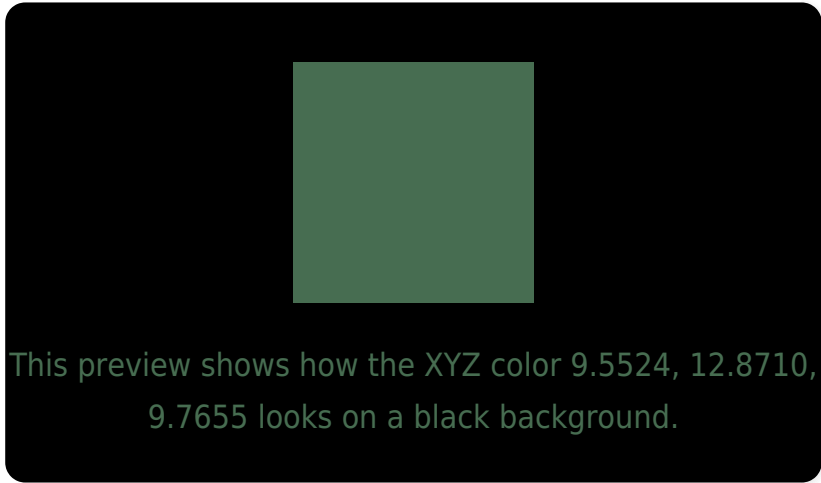
Large Text (above 18pt) WCAG AA ✓ Pass

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

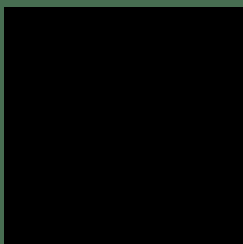
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

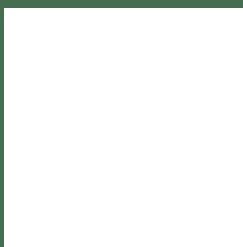
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.5524, 12.8710, 9.7655

Background



This preview shows how black text looks on a background with the XYZ color 9.5524, 12.8710, 9.7655.



This preview shows how white text looks on a background with the XYZ color 9.5524, 12.8710,

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

9.5524, 12.8710, 9.7655

Protanopia

11.9601, 12.7760, 8.8568

Deuteranopia

12.9856, 12.7188, 10.1581



Tritanopia

11.1741, 12.9151, 17.5267

Trichromacy



Original Color

9.5524, 12.8710, 9.7655

Protanomaly

10.8415, 12.6302, 9.0742

Deuteranomaly

11.4705, 12.6412, 10.0191

Tritanomaly

10.4046, 12.7435, 14.2233

Monochromacy



Original Color

9.5524, 12.8710, 9.7655

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.1028, 11.6234, 11.1623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.5524, 12.8710, 9.7655 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(71, 109, 81)` looks like.

```
.text, #text, p{  
    color:rgb(71, 109, 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(71, 109, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 109, 81) }
```

Border

The CSS property to change the border of an element to XYZ 9.5524, 12.8710, 9.7655 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(71, 109, 81) }
```


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

```
.border{ border-color:rgb(71, 109, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 109, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 109, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 109, 81);  
box-shadow:4px 4px 4px 4px rgb(71, 109,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 9.5524, 12.8710, 9.7655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 109, 81) }
```

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

```
.background{ background-color: rgb(71, 109,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor