

Converting Colors

XYZ(9.4953, 12.8742, 8.2878)

Have a look what the booklet for
XYZ(9.4953, 12.8742, 8.2878)
contains.

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Color

**XYZ(9.4953, 12.8742,
8.2878)**

Conversions

Conversions Part 1

Format	Color
Hex	4A6D49
RGB	74, 109, 73
RGB Percent	29%, 43%, 29%
CMY	0.7098, 0.5725, 0.7137
CMYK	0.32, 0.00, 0.33, 0.57
HSL	118°, 20%, 36%
HSV	118°, 33%, 43%
XYZ	9.4953, 12.8742, 8.2878
YIQ	94.4310, -9.3040, -18.6160

Conversions

Conversions Part 2

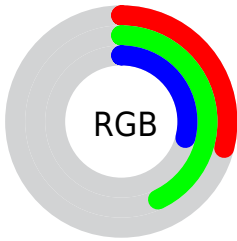
Format	Color
RYB	73, 109, 108
Decimal	4877641
CIELab	42.57, -20.47, 16.23
CIELCh	43, 26.120, 141.589
Yxy	12.8742, 0.3097, 0.4199
Android (android.graphics.Color)	4283067721 (0xFF4A6D49)
YUV	94.4310, -10.5655, -17.9180
Hunter-Lab	35.8806, -15.5536, 11.4215

Details

The XYZ color **9.4953, 12.8742, 8.2878** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.3277, 9.0577, 15.6200**, and the grayscale version is **10.7677, 11.3285, 12.3367**.

A 20% lighter version of the original color is **24.5699, 31.1800, 23.1357**, and **2.3425, 3.6592, 1.7452** is the 20% darker color. If you saturate the color by 10%, you get **8.4169, 12.3568, 6.5134**, and if you desaturate by 10%, it is **10.7752, 13.4889, 10.4029**.

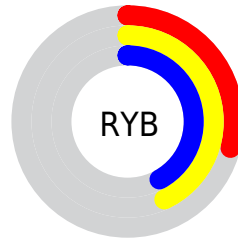
Distribution



Red (29%)

Green (43%)

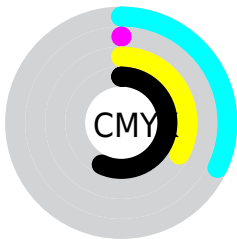
Blue (29%)



Red (29%)

Yellow (43%)

Blue (42%)

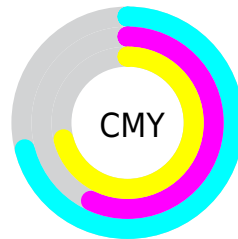


Cyan (32%)

Magenta (0%)

Yellow (33%)

Black (57%)



Cyan (71%)

Magenta (57%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.4953, 12.8742, 8.2878 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 9.4953, 12.8742, 8.2878 by changing the saturation by 10% instead.

■ 9.4953, 12.8742,
8.2878

■ 9.4953, 12.8742,
8.2878

181.1610,
210.1099, 187.9904

■ 5.1253, 7.3420,
4.1892

■ 24.5002, 31.0776,
23.0762

■ 2.3565, 3.6769,
1.7297

■ 35.8658, 44.5176,
34.6030

■ 0.8233, 1.4945,
0.3810

■ 50.2939, 61.3622,
49.4431

■ 0.0000, 0.2849,
0.0000

■ 68.1501, 81.9960,
68.0149

■ 0.0000, 0.0000,
0.0000

■ 89.7995, 106.8032,
90.7370

115.6075,

136.1684, 118.0279

145.9396,
170.4758, 150.3062

■ 9.4953, 12.8742,
8.2878

■ 9.4953, 12.8742,
8.2878

■ 8.4169, 12.3568,
6.5134

■ 10.7752, 13.4889,
10.4029

■ 7.5289, 11.9302,
5.0611

■ 12.2651, 14.2038,
12.8744

■ 6.8204, 11.5897,
3.9119

■ 13.9743, 15.0238,
15.7178

■ 6.2793, 11.3294,
3.0443

■ 15.9110, 15.9527,
18.9477

■ 5.8918, 11.1427,
2.4342

■ 18.0832, 16.9944,
22.5778

■ 5.6409, 11.0217,
2.0483

■ 20.4984, 18.1525,
26.6212

■ 5.5068, 10.9574,
1.8247

■ 23.1639, 19.4304,
31.0902

■ 26.0865, 20.8315,
35.9968

■ 29.2729, 22.3590,
41.3525

Harmonies

Analogous

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



10.8916, 12.8742, 6.1413



9.4953, 12.8742, 8.2878



8.8509, 12.8742, 12.4863

Triad

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



9.4953, 12.8742, 8.2878



11.6894, 12.8742, 27.7657



16.1187, 12.8742, 10.3844

Complementary

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



9.4953, 12.8742, 8.2878



11.3277, 9.0577, 15.6200

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.



16.3913, 12.8742, 15.6697



9.4953, 12.8742, 8.2878



13.6879, 12.8742, 26.7591

Square

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



9.4953, 12.8742, 8.2878



10.0253, 12.8742, 24.3848



15.4603, 12.8742, 21.9197



14.7511, 12.8742, 7.1055

Rectangle

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



9.4953, 12.8742, 8.2878



8.8804, 12.8742, 16.3185



15.4603, 12.8742, 21.9197



16.3469, 12.8742, 11.9442

Sweetspot

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



9.4956, 12.8747, 8.2881



22.7637, 25.8178, 24.3855



12.8514, 14.4159, 8.4087



5.2256, 5.9736, 5.5556



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.



9.4956, 12.8747, 8.2881



15.4147, 22.2907, 12.2268



10.0537, 13.0891, 11.6252



3.0711, 3.4484, 3.3212



6.4371, 12.8136, 2.1340



32.6770, 65.2277, 10.8680

Inverse Universe

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



11.3277, 9.0577, 15.6200



19.2660, 14.2632, 27.6449



10.6302, 8.7928, 11.3084



3.2097, 3.1598, 3.8756



10.1735, 4.8717, 17.3264



51.7113, 24.7577, 88.2794

Previews

White Background



This preview shows how the XYZ color 9.4953, 12.8742, 8.2878 looks on a white background.

Color Contrast Check

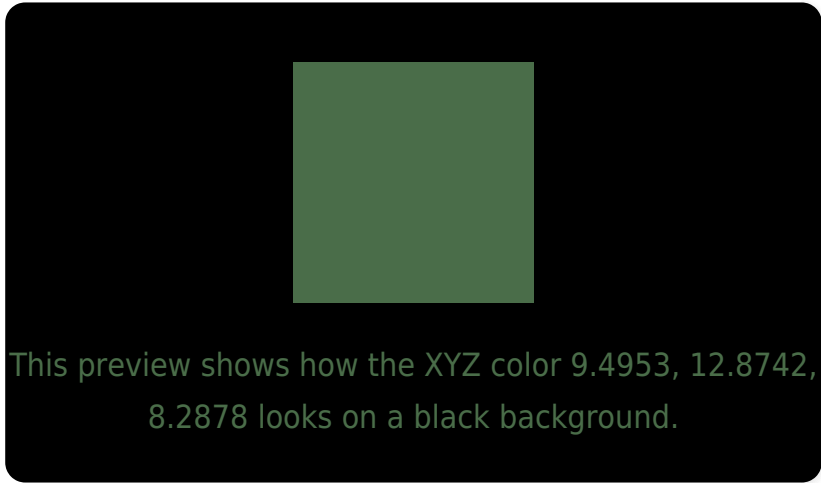
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.4953, 12.8742, 8.2878

Background



This preview shows how black text looks on a background with the XYZ color 9.4953, 12.8742, 8.2878.



This preview shows how white text looks on a background with the XYZ color 9.4953, 12.8742, 8.2878.

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

9.4953, 12.8742, 8.2878

Protanopia

11.8157, 12.7322, 7.4650

Deuteranopia

12.9586, 12.7391, 8.6134



Tritanopia

11.2683, 12.8198, 17.2098

Trichromacy



Original Color

9.4953, 12.8742, 8.2878

Protanomaly

10.7796, 12.6295, 7.6639

Deuteranomaly

11.4032, 12.6401, 8.4954

Tritanomaly

10.5005, 12.8096, 13.4743

Monochromacy



Original Color

9.4953, 12.8742, 8.2878

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.0720, 11.6218, 10.5165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.4953, 12.8742, 8.2878 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, 109, 73)` looks like.

```
.text, #text, p{  
    color:rgb(74, 109, 73)  
}
```

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, 109, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 109, 73) }
```

Border

The CSS property to change the border of an element to XYZ 9.4953, 12.8742, 8.2878 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, 109, 73) }
```


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

```
.border{ border-color:rgb(74, 109, 73) }
```

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

Here you see how a box with a 4 pixel rgb(74, 109, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 109, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 109, 73);  
box-shadow:4px 4px 4px 4px rgb(74, 109,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 9.4953, 12.8742, 8.2878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 109, 73) }
```

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

```
.background{ background-color: rgb(74, 109,  
73) }
```

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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