

Converting Colors

XYZ(12.5923, 16.5139, 11.4766)

Have a look what the booklet for
XYZ(12.5923, 16.5139, 11.4766)
contains.

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Color

**XYZ(12.5822, 16.4376,
11.5264)**

Conversions

Conversions Part 1

Format	Color
Hex	587957
RGB	88, 121, 87
RGB Percent	35%, 47%, 34%
CMY	0.6549, 0.5255, 0.6588
CMYK	0.27, 0.00, 0.28, 0.53
HSL	118°, 16%, 41%
HSV	118°, 28%, 47%
XYZ	12.5822, 16.4376, 11.5264
YIQ	107.2570, -8.7540, -17.5700

Conversions

Conversions Part 2

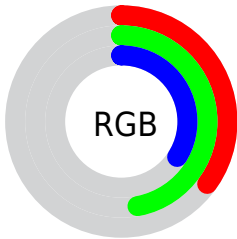
Format	Color
RYB	87, 121, 120
Decimal	5798231
CIELab	47.54, -19.07, 14.95
CIELCh	48, 24.229, 141.909
Yxy	16.4376, 0.3103, 0.4054
Android (android.graphics.Color)	4283988311 (0xFF587957)
YUV	107.2570, -9.9867, -16.8884
Hunter-Lab	40.5433, -15.5552, 11.5243

Details

The XYZ color **12.5822, 16.4376, 11.5264** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.6058, 12.1904, 19.6732**, and the grayscale version is **14.0755, 14.8085, 16.1264**.

A 20% lighter version of the original color is **30.2989, 37.5672, 29.3212**, and **3.6321, 5.2662, 2.9229** is the 20% darker color. If you saturate the color by 10%, you get **11.1052, 15.7291, 9.0895**, and if you desaturate by 10%, it is **14.3221, 17.2730, 14.4089**.

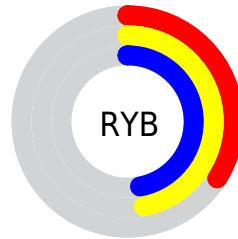
Distribution



Red (35%)

Green (47%)

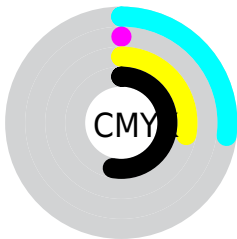
Blue (34%)



Red (34%)

Yellow (47%)

Blue (47%)

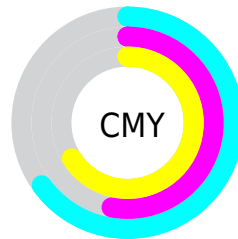


Cyan (27%)

Magenta (0%)

Yellow (28%)

Black (53%)



Cyan (65%)

Magenta (53%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5822, 16.4376, 11.5264 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 12.5822, 16.4376, 11.5264 by changing the saturation by 10% instead.

■ 12.5822, 16.4376,
11.5264

■ 12.5822, 16.4376,
11.5264

201.9146,
231.9102, 212.1096

■ 7.2165, 9.8343,
6.3035

■ 30.1589, 37.3562,
29.2809

■ 3.6454, 5.2893,
2.9587

■ 43.1005, 52.4404,
42.6496

■ 1.5035, 2.4180,
1.0736

■ 59.2982, 71.1204,
59.5706

■ 0.3282, 0.8351,
0.0000

■ 79.1173, 93.7804,
80.4625

■ 0.0000, 0.0000,
0.0000

■ 102.9231,
120.8051, 105.7438

131.0810,

152.5787, 135.8331

163.9564,
189.4856, 171.1488

■ 12.5822, 16.4376,
11.5264

■ 12.5822, 16.4376,
11.5264

■ 11.1052, 15.7291,
9.0895

■ 14.3221, 17.2730,
14.4089

■ 9.8771, 15.1393,
7.0750

■ 16.3354, 18.2389,
17.7567

■ 8.8847, 14.6624,
5.4593

■ 18.6337, 19.3413,
21.5892

■ 8.1127, 14.2911,
4.2158

■ 21.2275, 20.5852,
25.9249

■ 7.5444, 14.0175,
3.3148

■ 24.1267, 21.9753,
30.7809

■ 7.1605, 13.8324,
2.7223

■ 27.3408, 23.5162,
36.1738

■ 6.9228, 13.7178,
2.3490

■ 30.8790, 25.2122,
42.1192

■ 6.8822, 13.6984,
2.2813

■ 34.7499, 27.0676,
48.6323

■ 38.9619, 29.0863,
55.7276

Harmonies

Analogous

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



14.1269, 16.4376, 8.9869



12.5822, 16.4376, 11.5264



11.8676, 16.4376, 16.2781

Triad

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



12.5822, 16.4376, 11.5264



15.0472, 16.4376, 32.4156



19.7945, 16.4376, 13.8226

Complementary

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



12.5822, 16.4376, 11.5264



14.6058, 12.1904, 19.6732

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.



20.0983, 16.4376, 19.6215



12.5822, 16.4376, 11.5264



17.2222, 16.4376, 31.3293

Square

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



12.5822, 16.4376, 11.5264



13.2027, 16.4376, 28.9642



19.1191, 16.4376, 26.2679



18.3233, 16.4376, 10.0845

Rectangle

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



12.5822, 16.4376, 11.5264



11.9076, 16.4376, 20.4617



19.1191, 16.4376, 26.2679



20.0416, 16.4376, 15.5575

Sweetspot

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



12.5826, 16.4383, 11.5268



29.2125, 32.6410, 31.7318



16.3066, 18.1548, 11.6618



6.5679, 7.4099, 7.0698



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.5826, 16.4383, 11.5268



20.6954, 28.5541, 17.6098



13.2099, 16.6783, 15.3204



3.9608, 4.4551, 4.2757



7.3733, 14.6783, 2.4446



35.0448, 69.9517, 11.6550

Inverse Universe

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



14.6058, 12.1904, 19.6732



24.9764, 19.5623, 34.8524



13.8506, 11.9044, 14.9688



4.1434, 4.0718, 5.0107



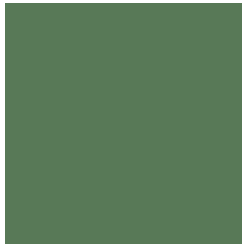
11.6223, 5.5643, 19.8467



55.3074, 26.4740, 94.6648

Previews

White Background



This preview shows how the XYZ color 12.5822, 16.4376, 11.5264 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



This preview shows how the XYZ color 12.5822, 16.4376, 11.5264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

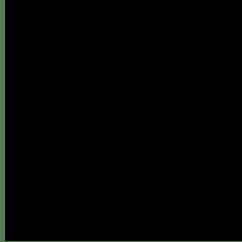
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5822, 16.4376, 11.5264

Background



This preview shows how black text looks on a background with the XYZ color 12.5822, 16.4376, 11.5264.



This preview shows how white text looks on a background with the XYZ color 12.5822, 16.4376,

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

12.5822, 16.4376, 11.5264

Protanopia

15.2407, 16.2778, 10.5223

Deuteranopia

16.5681, 16.2886, 11.9436



Tritanopia

14.6664, 16.4043, 21.7954

Trichromacy



Original Color

12.5822, 16.4376, 11.5264

Protanomaly

14.0376, 16.1528, 10.7654

Deuteranomaly

14.7785, 16.1764, 11.7946

Tritanomaly

13.7613, 16.3799, 17.4753

Monochromacy



Original Color

12.5822, 16.4376, 11.5264

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.3500, 15.2178, 14.2903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5822, 16.4376, 11.5264 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(88, 121, 87)` looks like.

```
.text, #text, p{  
    color:rgb(88, 121, 87)  
}
```

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(88, 121, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 121, 87) }
```

Border

The CSS property to change the border of an element to XYZ 12.5822, 16.4376, 11.5264 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(88, 121, 87) }
```


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

```
.border{ border-color:rgb(88, 121, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 121, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 121, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 121, 87);  
box-shadow:4px 4px 4px 4px rgb(88, 121,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5822, 16.4376, 11.5264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 121, 87) }
```

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

```
.background{ background-color: rgb(88, 121,  
87) }
```

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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