

Converting Colors

XYZ(12.5361, 16.4452, 13.4241)

Have a look what the booklet for
XYZ(12.5361, 16.4452, 13.4241)
contains.

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Color

**XYZ(12.4702, 16.3400,
13.3232)**

Conversions

Conversions Part 1

Format	Color
Hex	53795F
RGB	83, 121, 95
RGB Percent	33%, 47%, 37%
CMY	0.6745, 0.5255, 0.6274
CMYK	0.31, 0.00, 0.21, 0.53
HSL	139°, 19%, 40%
HSV	139°, 31%, 47%
XYZ	12.4702, 16.3400, 13.3232
YIQ	106.6740, -14.3020, -16.1420

Conversions

Conversions Part 2

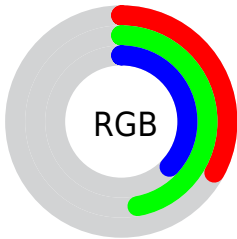
Format	Color
R_{YB}	83, 112, 121
Decimal	5470559
CIE _{Lab}	47.42, -19.28, 10.05
CIE _{LCh}	47, 21.745, 152.476
Yxy	16.3400, 0.2960, 0.3878
Android (android.graphics.Color)	4283660639 (0xFF53795F)
YUV	106.6740, -5.7553, -20.7621
Hunter-Lab	40.4228, -15.6736, 8.7542

Details

The XYZ color **12.4702, 16.3400, 13.3232** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.7393, 11.3559, 15.9363**, and the grayscale version is **13.9035, 14.6276, 15.9294**.

A 20% lighter version of the original color is **30.0784, 37.3848, 32.4187**, and **3.5993, 5.2315, 3.7258** is the 20% darker color. If you saturate the color by 10%, you get **11.1379, 15.6948, 11.3998**, and if you desaturate by 10%, it is **14.0298, 17.0986, 15.4668**.

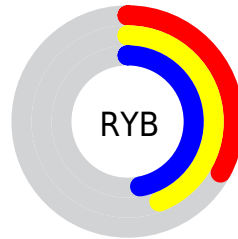
Distribution



Red (33%)

Green (47%)

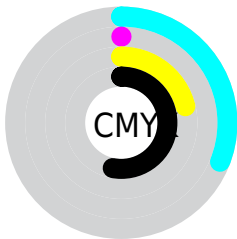
Blue (37%)



Red (33%)

Yellow (44%)

Blue (47%)

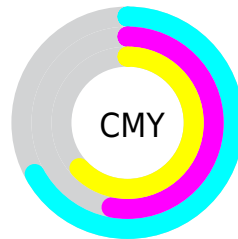


Cyan (31%)

Magenta (0%)

Yellow (21%)

Black (53%)



Cyan (67%)

Magenta (53%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4702, 16.3400, 13.3232 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 12.4702, 16.3400, 13.3232 by changing the saturation by 10% instead.

■ 12.4702, 16.3400,
13.3232

■ 12.4702, 16.3400,
13.3232

201.2007,
231.3397, 224.2588

■ 7.1392, 9.7651,
7.5181

■ 29.9581, 37.1875,
32.5829

■ 3.5964, 5.2435,
3.7049

■ 42.8458, 52.2288,
46.8746

■ 1.4765, 2.3908,
1.4649

■ 58.9830, 70.8610,
64.8322

■ 0.3097, 0.8212,
0.1916

■ 78.7352, 93.4685,
86.8744

■ 0.0000, 0.0000,
0.0000

■ 102.4677,
120.4358, 113.4196

130.5459,

152.1471, 144.8864

163.3352,
188.9870, 181.6933

■ 12.4702, 16.3400,
13.3232

■ 12.4702, 16.3400,
13.3232

■ 11.1379, 15.6948,
11.3998

■ 14.0298, 17.0986,
15.4668

■ 10.0206, 15.1556,
9.6885

■ 15.8255, 17.9737,
17.8361

■ 9.1069, 14.7169,
8.1822


■ 17.8672, 18.9709,
20.4380


■ 8.3837, 14.3723,
6.8731


■ 20.1641, 20.0944,
23.2786


■ 7.8363, 14.1144,
5.7530


■ 22.7247, 21.3488,
26.3637


 7.4479, 13.9345,
4.8128

 25.5570, 22.7380,
29.6991

 7.1910, 13.8167,
4.1396

 28.6689, 24.2660,
33.2903

 32.0679, 25.9365,
37.1426

 35.7611, 27.7531,
41.2613

Harmonies

Analogous

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



13.6243, 16.3400, 10.2550



12.4702, 16.3400, 13.3232



12.1142, 16.3400, 18.2541

Triad

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



12.4702, 16.3400, 13.3232



15.6914, 16.3400, 30.6431



18.8720, 16.3400, 12.6788

Complementary

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



12.4702, 16.3400, 13.3232



13.7393, 11.3559, 15.9363

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.



19.5357, 16.3400, 17.3368



12.4702, 16.3400, 13.3232



17.6071, 16.3400, 28.3327

Square

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



12.4702, 16.3400, 13.3232



13.8801, 16.3400, 28.9628



19.0549, 16.3400, 23.1614



17.3072, 16.3400, 9.9406

Rectangle

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



12.4702, 16.3400, 13.3232



12.3514, 16.3400, 22.1659



19.0549, 16.3400, 23.1614



19.2135, 16.3400, 14.0341

Sweetspot

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



12.4706, 16.3407, 13.3236



29.0972, 32.5552, 32.9186



14.7801, 17.5895, 10.7998



6.5570, 7.3969, 7.4030



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.



12.4706, 16.3407, 13.3236



20.4938, 28.3700, 21.2236



13.4084, 16.7158, 18.2616



3.9982, 4.4689, 4.5244



7.7011, 14.8041, 4.4111



36.3896, 70.4789, 19.2215

Inverse Universe

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



13.7393, 11.3559, 15.9363



23.1595, 17.8865, 26.7069



12.8500, 11.0002, 11.2535



4.1032, 4.0570, 4.7409



10.1095, 5.0199, 9.1332



47.8246, 23.7862, 41.4680

Previews

White Background



This preview shows how the XYZ color 12.4702, 16.3400, 13.3232 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 12.4702, 16.3400, 13.3232 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 12.4702, 16.3400, 13.3232

Background



This preview shows how black text looks on a background with the XYZ color 12.4702, 16.3400, 13.3232.



This preview shows how white text looks on a background with the XYZ color 12.4702, 16.3400,

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

12.4702, 16.3400, 13.3232

Protanopia

15.2902, 16.2656, 12.2312

Deuteranopia

16.4693, 16.1962, 13.8134



Tritanopia

14.2470, 16.3528, 22.1442

Trichromacy



Original Color

12.4702, 16.3400, 13.3232

Protanomaly

14.0064, 16.0983, 12.4943

Deuteranomaly

14.7449, 16.1181, 13.6432

Tritanomaly

13.5034, 16.2209, 18.6389

Monochromacy



Original Color

12.4702, 16.3400, 13.3232

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.2794, 15.1643, 15.0591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4702, 16.3400, 13.3232 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(83, 121, 95) looks like.

```
.text, #text, p{  
    color:rgb(83, 121, 95)  
}
```

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(83, 121, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 121, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.4702, 16.3400, 13.3232 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(83, 121, 95) }
```


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

```
.border{ border-color:rgb(83, 121, 95) }
```

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

Here you see how a box with a 4 pixel rgb(83, 121, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 121, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 121, 95);  
box-shadow:4px 4px 4px 4px rgb(83, 121,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4702, 16.3400, 13.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 121, 95) }
```

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

```
.background{ background-color: rgb(83, 121,  
95) }
```

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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