

Converting Colors

XYZ(12.5590, 16.2342, 10.8378)

Have a look what the booklet for
XYZ(12.5590, 16.2342, 10.8378)
contains.

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Color

**XYZ(12.5332, 16.2467,
10.8629)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7854
RGB	90, 120, 84
RGB Percent	35%, 47%, 33%
CMY	0.6471, 0.5294, 0.6706
CMYK	0.25, 0.00, 0.30, 0.53
HSL	110°, 18%, 40%
HSV	110°, 30%, 47%
XYZ	12.5332, 16.2467, 10.8629
YIQ	106.9260, -6.3240, -17.5560

Conversions

Conversions Part 2

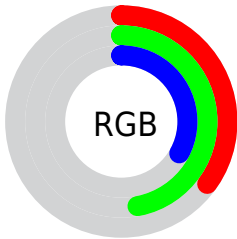
Format	Color
R_{YB}	84, 120, 114
Decimal	5929044
CIE _{Lab}	47.30, -18.34, 16.37
CIE _{LCh}	47, 24.581, 138.237
Yxy	16.2467, 0.3162, 0.4098
Android (android.graphics.Color)	4284119124 (0xFF5A7854)
YUV	106.9260, -11.3025, -14.8441
Hunter-Lab	40.3072, -15.0344, 12.2362

Details

The XYZ color **12.5332, 16.2467, 10.8629** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **13.5006, 11.2746, 19.2348**, and the grayscale version is **13.9866, 14.7150, 16.0246**.

A 20% lighter version of the original color is **30.0401, 36.8890, 28.0913**, and **3.6157, 5.1666, 2.7261** is the 20% darker color. If you saturate the color by 10%, you get **11.1948, 15.6070, 8.5535**, and if you desaturate by 10%, it is **14.0839, 16.9875, 13.6033**.

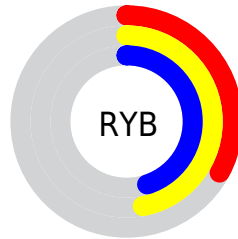
Distribution



Red (35%)

Green (47%)

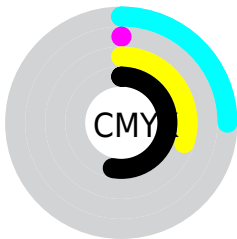
Blue (33%)



Red (33%)

Yellow (47%)

Blue (45%)

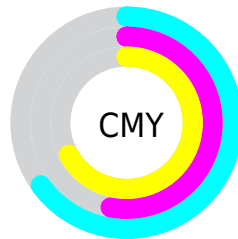


Cyan (25%)

Magenta (0%)

Yellow (30%)

Black (53%)



Cyan (65%)

Magenta (53%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5332, 16.2467, 10.8629 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 12.5332, 16.2467, 10.8629 by changing the saturation by 10% instead.

■ 12.5332, 16.2467,
10.8629

■ 12.5332, 16.2467,
10.8629

201.6026,
230.7931, 207.4281

■ 7.1827, 9.6989,
5.8617

■ 30.0711, 37.0260,
28.0391

■ 3.6240, 5.1998,
2.6937

■ 42.9891, 52.0262,
41.0513

■ 1.4917, 2.3649,
0.9403

■ 59.1604, 70.6127,
57.5708

■ 0.3202, 0.8078,
0.0000

■ 78.9503, 93.1699,
78.0162

■ 0.0000, 0.0000,
0.0000

■ 102.7241,
120.0821, 102.8061

130.8471,

151.7338, 132.3590

163.6849,
188.5093, 167.0935

■ 12.5332, 16.2467,
10.8629

■ 12.5332, 16.2467,
10.8629

■ 11.1948, 15.6070,
8.5535

■ 14.0839, 16.9875,
13.6033

■ 10.0582, 15.0619,
6.6522

■ 15.8543, 17.8314,
16.7941

■ 9.1138, 14.6076,
5.1356

■ 17.8531, 18.7829,
20.4545

■ 8.3506, 14.2390,
3.9774

■ 20.0881, 19.8456,
24.6025

■ 7.7567, 13.9506,
3.1481

■ 22.5668, 21.0230,
29.2551

■ 7.3185, 13.7361,
2.6134

■ 25.2961, 22.3183,
34.4284

■ 7.0052, 13.5823,
2.2524

■ 28.2829, 23.7348,
40.1380

■ 31.5338, 25.2755,
46.3985

■ 35.0551, 26.9434,
53.2243

Harmonies

Analogous

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



14.1722, 16.2467, 8.5923



12.5332, 16.2467, 10.8629



11.7056, 16.2467, 15.3632

Triad

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



12.5332, 16.2467, 10.8629



14.6067, 16.2467, 32.1629



19.7551, 16.2467, 14.2064

Complementary

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



12.5332, 16.2467, 10.8629



13.5006, 11.2746, 19.2348

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.



19.8993, 16.2467, 20.2403



12.5332, 16.2467, 10.8629



16.7854, 16.2467, 31.6451

Square

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



12.5332, 16.2467, 10.8629



12.8255, 16.2467, 28.1883



18.7693, 16.2467, 26.9058



18.3922, 16.2467, 10.1877

Rectangle

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



12.5332, 16.2467, 10.8629



11.6686, 16.2467, 19.4584



18.7693, 16.2467, 26.9058



19.9521, 16.2467, 16.0319

Sweetspot

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



12.5336, 16.2474, 10.8633



28.1432, 31.4845, 30.0084



15.3640, 16.6685, 10.7954



6.5742, 7.4160, 6.9381



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.



12.5336, 16.2474, 10.8633



20.3841, 27.7815, 16.2312



12.4845, 16.1630, 13.5285



4.0074, 4.4791, 4.2778



7.6328, 14.8121, 2.4567



35.9097, 70.3975, 11.6955

Inverse Universe

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



13.5006, 11.2746, 19.2348



22.3698, 17.5447, 33.4605



13.6234, 11.4169, 15.6736



4.0921, 4.0453, 5.0083



9.4221, 4.4300, 19.7438



44.3284, 20.8141, 94.1510

Previews

White Background



This preview shows how the XYZ color 12.5332, 16.2467, 10.8629 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 12.5332, 16.2467, 10.8629 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 12.5332, 16.2467, 10.8629

Background



This preview shows how black text looks on a background with the XYZ color 12.5332, 16.2467, 10.8629.



This preview shows how white text looks on a background with the XYZ color 12.5332, 16.2467,

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

12.5332, 16.2467, 10.8629

Protanopia

14.9879, 16.1606, 9.9188

Deuteranopia

16.3381, 16.0288, 11.2496



Tritanopia

14.6986, 16.2581, 21.4322

Trichromacy



Original Color

12.5332, 16.2467, 10.8629

Protanomaly

13.9226, 16.1068, 10.1597

Deuteranomaly

14.6763, 15.9732, 11.1137

Tritanomaly

13.7377, 16.2064, 16.8721

Monochromacy



Original Color

12.5332, 16.2467, 10.8629

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.4131, 15.2559, 14.0421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5332, 16.2467, 10.8629 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(90, 120, 84)` looks like.

```
.text, #text, p{  
    color:rgb(90, 120, 84)  
}
```

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(90, 120, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 120, 84) }
```

Border

The CSS property to change the border of an element to XYZ 12.5332, 16.2467, 10.8629 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(90, 120, 84) }
```


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

```
.border{ border-color:rgb(90, 120, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 120, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 120, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 120, 84);  
box-shadow:4px 4px 4px 4px rgb(90, 120,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5332, 16.2467, 10.8629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 120, 84) }
```

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

```
.background{ background-color: rgb(90, 120,  
84) }
```

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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