

Converting Colors

XYZ(12.5477, 15.6341, 12.7611)

Have a look what the booklet for
XYZ(12.5477, 15.6341, 12.7611)
contains.

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Color

**XYZ(12.5535, 15.6866,
12.7221)**

Conversions

Conversions Part 1

Format	Color
Hex	5A755D
RGB	90, 117, 93
RGB Percent	35%, 46%, 36%
CMY	0.6471, 0.5412, 0.6353
CMYK	0.23, 0.00, 0.21, 0.54
HSL	127°, 13%, 41%
HSV	127°, 23%, 46%
XYZ	12.5535, 15.6866, 12.7221
YIQ	106.1910, -8.3880, -13.1880

Conversions

Conversions Part 2

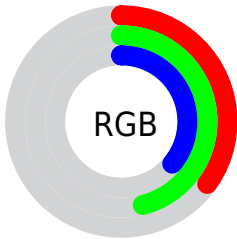
Format	Color
R_{YB}	90, 114, 117
Decimal	5928285
CIE _{Lab}	46.56, -15.03, 10.09
CIE _{LCh}	47, 18.098, 146.125
Yxy	15.6866, 0.3065, 0.3830
Android (android.graphics.Color)	4284118365 (0xFF5A755D)
YUV	106.1910, -6.5032, -14.1995
Hunter-Lab	39.6063, -12.7342, 8.6796

Details

The XYZ color **12.5535, 15.6866, 12.7221** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.0301, 12.3094, 17.5567**, and the grayscale version is **13.7713, 14.4884, 15.7779**.

A 20% lighter version of the original color is **30.1304, 36.0218, 31.3515**, and **3.6375, 4.9751, 3.4579** is the 20% darker color. If you saturate the color by 10%, you get **11.0741, 14.9740, 10.4097**, and if you desaturate by 10%, it is **14.2756, 16.5179, 15.3736**.

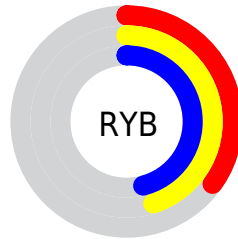
Distribution



Red (35%)

Green (46%)

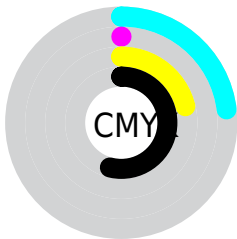
Blue (36%)



Red (35%)

Yellow (45%)

Blue (46%)

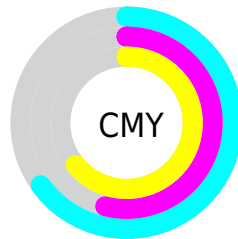


Cyan (23%)

Magenta (0%)

Yellow (21%)

Black (54%)



Cyan (65%)

Magenta (54%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5535, 15.6866, 12.7221 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 12.5535, 15.6866, 12.7221 by changing the saturation by 10% instead.

■ 12.5535, 15.6866,
12.7221

■ 12.5535, 15.6866,
12.7221

201.7319,
227.4852, 220.2738

■ 7.1967, 9.3027,
7.1090

■ 30.1074, 36.0533,
31.4874

■ 3.6328, 4.9391,
3.4509

■ 43.0353, 50.8048,
45.4768

■ 1.4966, 2.2116,
1.3292

■ 59.2175, 69.1143,
63.0952

■ 0.3235, 0.7263,
0.0856

■ 79.0195, 91.3661,
84.7614

■ 0.0000, 0.0000,
0.0000

■ 102.8066,
117.9448, 110.8938

130.9441,

149.2346, 141.9110

163.7974,
185.6199, 178.2315

■ 12.5535, 15.6866,
12.7221

■ 12.5535, 15.6866,
12.7221

■ 11.0741, 14.9740,
10.4097

■ 14.2756, 16.5179,
15.3736

■ 9.8253, 14.3730,
8.4217

■ 16.2493, 17.4710,
18.3761

■ 8.7957, 13.8783,
6.7440

■ 18.4846, 18.5512,
21.7420

■ 7.9727, 13.4837,
5.3609

■ 20.9907, 19.7629,
25.4829

■ 7.3421, 13.1825,
4.2554

■ 23.7762, 21.1104,
29.6100

■ 6.8881, 12.9667,
3.4087

■ 26.8494, 22.5977,
34.1339

■ 6.5911, 12.8268,
2.7997

■ 30.2181, 24.2287,
39.0647

■ 6.4343, 12.7523,
2.5032

■ 33.8901, 26.0071,
44.4123

■ 37.8726, 27.9365,
50.1862

Harmonies

Analogous

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



13.6264, 15.6866, 10.4653



12.5535, 15.6866, 12.7221



12.1106, 15.6866, 16.5056

Triad

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



12.5535, 15.6866, 12.7221



14.7077, 15.6866, 27.1741



17.7707, 15.6866, 13.5671

Complementary

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



12.5535, 15.6866, 12.7221



14.0301, 12.3094, 17.5567

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.



18.1098, 15.6866, 17.6677



12.5535, 15.6866, 12.7221



16.2710, 15.6866, 26.0205

Square

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



12.5535, 15.6866, 12.7221



13.2982, 15.6866, 25.2588



17.5436, 15.6866, 22.3343



16.6463, 15.6866, 10.8901

Rectangle

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



12.5535, 15.6866, 12.7221



12.2077, 15.6866, 19.5809



17.5436, 15.6866, 22.3343



17.9835, 15.6866, 14.8017

Sweetspot

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



12.5539, 15.6873, 12.7224



27.5908, 30.5567, 30.6216



15.1860, 17.0592, 12.1652



6.3116, 7.0100, 6.9918



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.5539, 15.6873, 12.7224



20.9315, 27.3437, 20.3705



13.1901, 15.9417, 16.0726



3.6557, 4.1042, 4.0206



7.0853, 14.0481, 2.7396



34.3614, 68.3918, 12.4743

Inverse Universe

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



14.0301, 12.3094, 17.5567



24.0943, 20.1044, 30.7269



13.3319, 12.0301, 13.8803



3.8100, 3.7513, 4.5260



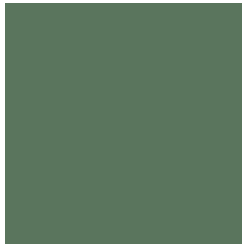
10.8322, 5.2666, 14.8564



52.5904, 25.5863, 71.3637

Previews

White Background



This preview shows how the XYZ color 12.5535, 15.6866, 12.7221 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 12.5535, 15.6866, 12.7221 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 12.5535, 15.6866, 12.7221

Background



This preview shows how black text looks on a background with the XYZ color 12.5535, 15.6866, 12.7221.



This preview shows how white text looks on a background with the XYZ color 12.5535, 15.6866,

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

12.5535, 15.6866, 12.7221

Protanopia

14.7575, 15.6720, 11.9200

Deuteranopia

15.8238, 15.5699, 12.9978



Tritanopia

14.1373, 15.6483, 20.6877

Trichromacy



Original Color

12.5535, 15.6866, 12.7221

Protanomaly

13.8569, 15.6914, 12.1959

Deuteranomaly

14.4064, 15.4707, 12.8165

Tritanomaly

13.4008, 15.5095, 17.3263

Monochromacy



Original Color

12.5535, 15.6866, 12.7221

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.1804, 14.8008, 14.4741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5535, 15.6866, 12.7221 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, 117, 93)` looks like.

```
.text, #text, p{  
    color:rgb(90, 117, 93)  
}
```

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, 117, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 117, 93) }
```

Border

The CSS property to change the border of an element to XYZ 12.5535, 15.6866, 12.7221 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, 117, 93) }
```


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

```
.border{ border-color:rgb(90, 117, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 117, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 117, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 117, 93);  
box-shadow:4px 4px 4px 4px rgb(90, 117,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5535, 15.6866, 12.7221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 117, 93) }
```

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

```
.background{ background-color: rgb(90, 117,  
93) }
```

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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