

Converting Colors

XYZ(12.0847, 16.5672, 10.5788)

Have a look what the booklet for
XYZ(12.0847, 16.5672, 10.5788)
contains.

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Color

**XYZ(12.0856, 16.5690,
10.5438)**

Conversions

Conversions Part 1

Format	Color
Hex	527B52
RGB	82, 123, 82
RGB Percent	32%, 48%, 32%
CMY	0.6784, 0.5176, 0.6784
CMYK	0.33, 0.00, 0.33, 0.52
HSL	120°, 20%, 40%
HSV	120°, 33%, 48%
XYZ	12.0856, 16.5690, 10.5438
YIQ	106.0670, -11.2750, -21.4430

Conversions

Conversions Part 2

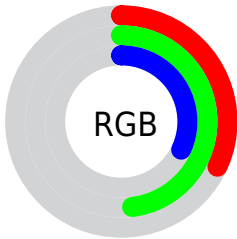
Format	Color
R_{YB}	82, 123, 123
Decimal	5405522
CIE _{Lab}	47.71, -23.19, 18.01
CIE _{LCh}	48, 29.363, 142.176
Yxy	16.5690, 0.3083, 0.4227
Android (android.graphics.Color)	4283595602 (0xFF527B52)
YUV	106.0670, -11.8650, -21.1068
Hunter-Lab	40.7050, -18.2360, 13.1357

Details

The XYZ color **12.0856, 16.5690, 10.5438** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **14.7613, 11.6758, 20.2151**, and the grayscale version is **13.7520, 14.4682, 15.7559**.

A 20% lighter version of the original color is **29.3631, 37.7032, 27.5596**, and **3.4424, 5.3712, 2.6056** is the 20% darker color. If you saturate the color by 10%, you get **10.6836, 15.8960, 8.2502**, and if you desaturate by 10%, it is **13.7642, 17.3758, 13.2891**.

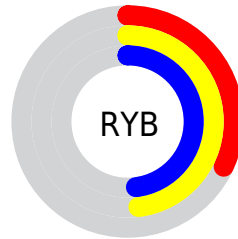
Distribution



 Red (32%)

 Green (48%)

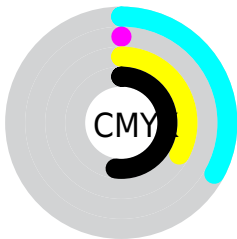
 Blue (32%)



 Red (32%)

 Yellow (48%)

 Blue (48%)

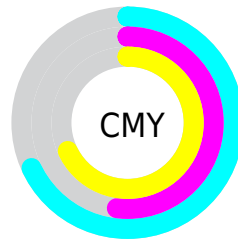


 Cyan (33%)


 Magenta (0%)

 Yellow (33%)

 Black (52%)



 Cyan (68%)

 Magenta (52%)

 Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0856, 16.5690, 10.5438 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 12.0856, 16.5690, 10.5438 by changing the saturation by 10% instead.

■ 12.0856, 16.5690,
10.5438

■ 12.0856, 16.5690,
10.5438

198.7295,
232.6763, 205.1342

■ 6.8746, 9.9277,
5.6507

■ 29.2664, 37.5832,
27.4371

■ 3.4294, 5.3510,
2.5685

■ 41.9670, 52.7249,
40.2743

■ 1.3847, 2.4547,
0.8761

■ 57.8947, 71.4689,
56.5967

■ 0.2453, 0.8538,
0.0000

■ 77.4151, 94.1995,
76.8227

■ 0.0000, 0.0000,
0.0000

■ 100.8934,
121.3011, 101.3709

128.6950,

153.1582, 130.6599

161.1853,
190.1551, 165.1081

■ 12.0856, 16.5690,
10.5438

■ 12.0856, 16.5690,
10.5438

■ 10.6836, 15.8960,
8.2502

■ 13.7642, 17.3758,
13.2891

■ 9.5421, 15.3477,
6.3831

■ 15.7317, 18.3209,
16.5073

■ 8.6455, 14.9170,
4.9165


■ 18.0013, 19.4111,
20.2195


■ 7.9758, 14.5954,
3.8211


■ 20.5849, 20.6522,
24.4455


■ 7.5128, 14.3730,
3.0638


■ 23.4940, 22.0495,
29.2036


 7.2309, 14.2375,
2.6025

 26.7391, 23.6083,
34.5115

 7.0833, 14.1667,
2.3612

 30.3307, 25.3336,
40.3861

 34.2786, 27.2299,
46.8433

 38.5921, 29.3019,
53.8987

Harmonies

Analogous

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



13.9175, 16.5690, 7.6863



12.0856, 16.5690, 10.5438



11.2552, 16.5690, 16.1423

Triad

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



12.0856, 16.5690, 10.5438



15.0707, 16.5690, 36.5042



20.9047, 16.5690, 13.1124

Complementary

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



12.0856, 16.5690, 10.5438



14.7613, 11.6758, 20.2151

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.



21.3017, 16.5690, 20.0827



12.0856, 16.5690, 10.5438



17.7331, 16.5690, 35.0279

Square

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



12.0856, 16.5690, 10.5438



12.8492, 16.5690, 32.0514



20.0851, 16.5690, 28.4464



19.0537, 16.5690, 8.8561

Rectangle

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



12.0856, 16.5690, 10.5438



11.3085, 16.5690, 21.2676



20.0851, 16.5690, 28.4464



21.2204, 16.5690, 15.1581

Sweetspot

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



12.0860, 16.5697, 10.5442



29.3668, 33.3813, 31.5162



16.7751, 18.9870, 10.7633



6.8089, 7.8102, 7.2468



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.0860, 16.5697, 10.5442



19.6782, 28.7274, 15.6690



12.9862, 16.9298, 15.2845



3.9509, 4.4500, 4.2752



7.3273, 14.6546, 2.4426



34.9519, 69.9038, 11.6509

Inverse Universe

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



14.7613, 11.6758, 20.2151



25.2480, 18.5386, 35.8032



13.6093, 11.2150, 14.1486



4.1545, 4.0775, 5.0112



12.1484, 5.8355, 19.8699



57.9488, 27.8359, 94.7811

Previews

White Background



This preview shows how the XYZ color 12.0856, 16.5690, 10.5438 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 12.0856, 16.5690, 10.5438 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 12.0856, 16.5690, 10.5438

Background



This preview shows how black text looks on a background with the XYZ color 12.0856, 16.5690, 10.5438.



This preview shows how white text looks on a background with the XYZ color 12.0856, 16.5690,

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

12.0856, 16.5690, 10.5438

Protanopia

15.3063, 16.4979, 9.5854

Deuteranopia

16.6751, 16.3675, 10.8747



Tritanopia

14.4085, 16.4285, 22.4903

Trichromacy



Original Color

12.0856, 16.5690, 10.5438

Protanomaly

13.8360, 16.4129, 9.8359

Deuteranomaly

14.4448, 16.0278, 10.7198

Tritanomaly

13.3965, 16.3676, 17.4921

Monochromacy



Original Color

12.0856, 16.5690, 10.5438

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.8816, 14.9928, 13.5242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0856, 16.5690, 10.5438 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(82, 123, 82)` looks like.

```
.text, #text, p{  
    color:rgb(82, 123, 82)  
}
```

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(82, 123, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 123, 82) }
```

Border

The CSS property to change the border of an element to XYZ 12.0856, 16.5690, 10.5438 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(82, 123, 82) }
```


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

```
.border{ border-color:rgb(82, 123, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 123, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 123, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 123, 82);  
box-shadow:4px 4px 4px 4px rgb(82, 123,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0856, 16.5690, 10.5438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 123, 82) }
```

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

```
.background{ background-color: rgb(82, 123,  
82) }
```

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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