

Converting Colors

XYZ(12.0881, 16.3826, 10.7087)

Have a look what the booklet for
XYZ(12.0881, 16.3826, 10.7087)
contains.

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Color

**XYZ(12.0881, 16.3826,
10.7087)**

Conversions

Conversions Part 1

Format	Color
Hex	537A53
RGB	83, 122, 83
RGB Percent	33%, 48%, 33%
CMY	0.6745, 0.5216, 0.6745
CMYK	0.32, 0.00, 0.32, 0.52
HSL	120°, 19%, 40%
HSV	120°, 32%, 48%
XYZ	12.0881, 16.3826, 10.7087
YIQ	105.8930, -10.7250, -20.3970

Conversions

Conversions Part 2

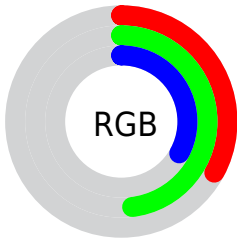
Format	Color
R_{YB}	83, 122, 122
Decimal	5470803
CIE _{Lab}	47.47, -22.14, 17.12
CIE _{LCh}	47, 27.988, 142.296
Yxy	16.3826, 0.3085, 0.4181
Android (android.graphics.Color)	4283660883 (0xFF537A53)
YUV	105.8930, -11.2862, -20.0772
Hunter-Lab	40.4754, -17.5225, 12.6463

Details

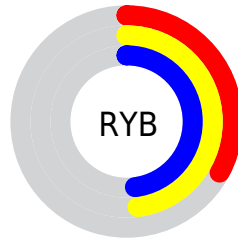
The XYZ color **12.0881, 16.3826, 10.7087** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **14.6326, 11.7294, 19.9055**, and the grayscale version is **13.7026, 14.4162, 15.6993**.

A 20% lighter version of the original color is **29.3951, 37.4217, 27.8641**, and **3.4255, 5.2624, 2.6689** is the 20% darker color. If you saturate the color by 10%, you get **10.6747, 15.7042, 8.3965**, and if you desaturate by 10%, it is **13.7747, 17.1933, 13.4671**.

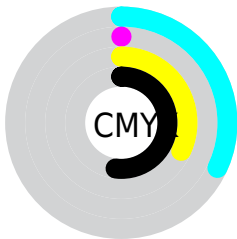
Distribution



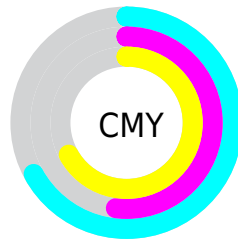
- Red (33%)
- Green (48%)
- Blue (33%)



- Red (33%)
- Yellow (48%)
- Blue (48%)



- Cyan (32%)
- Magenta (0%)
- Yellow (32%)
- Black (52%)



- Cyan (67%)
- Magenta (52%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0881, 16.3826, 10.7087 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 12.0881, 16.3826, 10.7087 by changing the saturation by 10% instead.

■ 12.0881, 16.3826,
10.7087

■ 12.0881, 16.3826,
10.7087

198.7457,
231.5889, 206.3232

■ 6.8763, 9.7953,
5.7596

■ 29.2709, 37.2612,
27.7486

■ 3.4305, 5.2634,
2.6331

■ 41.9727, 52.3212,
40.6765

■ 1.3853, 2.4026,
0.9094

■ 57.9018, 70.9743,
57.1011

■ 0.2457, 0.8273,
0.0000

■ 77.4237, 93.6048,
77.4409

■ 0.0000, 0.0000,
0.0000

■ 100.9037,
120.5971, 102.1145

128.7071,

152.3356, 131.5403

161.1993,
189.2047, 166.1371

■ 12.0881, 16.3826,
10.7087

■ 12.0881, 16.3826,
10.7087

■ 10.6747, 15.7042,
8.3965

■ 13.7747, 17.1933,
13.4671

■ 9.5190, 15.1490,
6.5061

■ 15.7465, 18.1404,
16.6923

■ 8.6058, 14.7103,
5.0123


■ 18.0163, 19.2307,
20.4049


■ 7.9178, 14.3799,
3.8870


■ 20.5957, 20.4697,
24.6238


■ 7.4356, 14.1482,
3.0982


■ 23.4957, 21.8628,
29.3672

 7.1362, 14.0045,
2.6085

 26.7269, 23.4149,
34.6522

 6.9599, 13.9198,
2.3201

 30.2992, 25.1308,
40.4952

 34.2222, 27.0152,
46.9117

 38.5051, 29.0725,
53.9169

Harmonies

Analogous

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



13.8276, 16.3826, 7.9352



12.0881, 16.3826, 10.7087



11.2994, 16.3826, 16.0653

Triad

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



12.0881, 16.3826, 10.7087



14.9393, 16.3826, 35.1278



20.4243, 16.3826, 13.1331

Complementary

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



12.0881, 16.3826, 10.7087



14.6326, 11.7294, 19.9055

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.



20.8030, 16.3826, 19.7362



12.0881, 16.3826, 10.7087



17.4554, 16.3826, 33.7332

Square

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



12.0881, 16.3826, 10.7087



12.8276, 16.3826, 31.0046



19.6663, 16.3826, 27.5854



18.6804, 16.3826, 9.0531

Rectangle

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



12.0881, 16.3826, 10.7087



11.3532, 16.3826, 20.9140



19.6663, 16.3826, 27.5854



20.7225, 16.3826, 15.0792

Sweetspot

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



12.0885, 16.3833, 10.7091



28.3534, 32.2261, 30.4316



16.5476, 18.6821, 10.9174



6.3858, 7.3218, 6.7992



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.



12.0885, 16.3833, 10.7091



19.4891, 27.9680, 15.9325



12.9504, 16.7280, 15.2474



3.9509, 4.4500, 4.2752



7.3273, 14.6546, 2.4426



34.9520, 69.9038, 11.6509

Inverse Universe

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



14.6326, 11.7294, 19.9055



24.6699, 18.4907, 34.6606



13.5429, 11.2935, 14.1672



4.1545, 4.0775, 5.0112



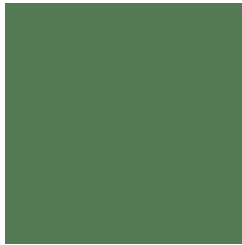
12.1483, 5.8355, 19.8696



57.9485, 27.8357, 94.7797

Previews

White Background



This preview shows how the XYZ color 12.0881, 16.3826, 10.7087 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 12.0881, 16.3826, 10.7087 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 12.0881, 16.3826, 10.7087

Background



This preview shows how black text looks on a background with the XYZ color 12.0881, 16.3826, 10.7087.



This preview shows how white text looks on a background with the XYZ color 12.0881, 16.3826,

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

12.0881, 16.3826, 10.7087

Protanopia

15.0906, 16.2178, 9.7321

Deuteranopia

16.5580, 16.3025, 11.0781



Tritanopia

14.4416, 16.4531, 22.1533

Trichromacy



Original Color

12.0881, 16.3826, 10.7087

Protanomaly

13.7568, 16.1958, 9.9905

Deuteranomaly

14.4843, 16.0435, 10.9276

Tritanomaly

13.4358, 16.3941, 17.2081

Monochromacy



Original Color

12.0881, 16.3826, 10.7087

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.0358, 15.0669, 13.7764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0881, 16.3826, 10.7087 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, 122, 83)` looks like.

```
.text, #text, p{  
    color:rgb(83, 122, 83)  
}
```

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, 122, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 122, 83) }
```

Border

The CSS property to change the border of an element to XYZ 12.0881, 16.3826, 10.7087 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, 122, 83) }
```


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

```
.border{ border-color:rgb(83, 122, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 122, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 122, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 122, 83);  
box-shadow:4px 4px 4px 4px rgb(83, 122,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0881, 16.3826, 10.7087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 122, 83) }
```

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

```
.background{ background-color: rgb(83, 122,  
83) }
```

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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