

Converting Colors

XYZ(12.3378, 16.0951, 12.7647)

Have a look what the booklet for
XYZ(12.3378, 16.0951, 12.7647)
contains.

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Color

**XYZ(12.3484, 16.1081,
12.8143)**

Conversions

Conversions Part 1

Format	Color
Hex	54785D
RGB	84, 120, 93
RGB Percent	33%, 47%, 36%
CMY	0.6706, 0.5294, 0.6353
CMYK	0.30, 0.00, 0.23, 0.53
HSL	135°, 18%, 40%
HSV	135°, 30%, 47%
XYZ	12.3484, 16.1081, 12.8143
YIQ	106.1580, -12.7890, -16.0290

Conversions

Conversions Part 2

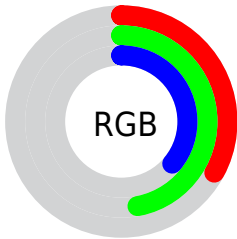
Format	Color
R_{YB}	84, 113, 120
Decimal	5535837
CIE _{Lab}	47.12, -18.81, 10.81
CIE _{LCh}	47, 21.699, 150.121
Yxy	16.1081, 0.2992, 0.3903
Android (android.graphics.Color)	4283725917 (0xFF54785D)
YUV	106.1580, -6.4869, -19.4326
Hunter-Lab	40.1349, -15.3165, 9.1643

Details

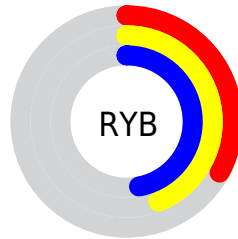
The XYZ color **12.3484, 16.1081, 12.8143** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.7858, 11.4817, 16.5291**, and the grayscale version is **13.7630, 14.4798, 15.7685**.

A 20% lighter version of the original color is **29.7021, 36.6391, 31.4932**, and **3.5293, 5.1050, 3.4887** is the 20% darker color. If you saturate the color by 10%, you get **10.9896, 15.4514, 10.7909**, and if you desaturate by 10%, it is **13.9391, 16.8798, 15.0942**.

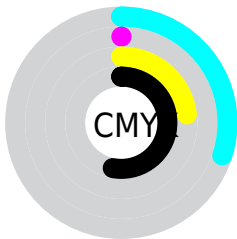
Distribution



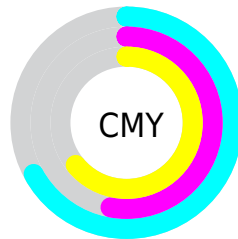
- Red (33%)
- Green (47%)
- Blue (36%)



- Red (33%)
- Yellow (44%)
- Blue (47%)



- Cyan (30%)
- Magenta (0%)
- Yellow (23%)
- Black (53%)



- Cyan (67%)
- Magenta (53%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3484, 16.1081, 12.8143 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 12.3484, 16.1081, 12.8143 by changing the saturation by 10% instead.

■ 12.3484, 16.1081,
12.8143

■ 12.3484, 16.1081,
12.8143

200.4215,
229.9787, 220.8900

■ 7.0553, 9.6007,
7.1716

■ 29.7395, 36.7858,
31.6560

■ 3.5433, 5.1350,
3.4896

■ 42.5681, 51.7248,
45.6921

■ 1.4472, 2.3267,
1.3497

■ 58.6394, 70.2432,
63.3631

■ 0.2895, 0.7878,
0.1020

■ 78.3185, 92.7253,
85.0875

■ 0.0000, 0.0000,
0.0000

■ 101.9710,
119.5555, 111.2838

129.9620,

151.1182, 142.3707

162.6571,
187.7978, 178.7665

■ 12.3484, 16.1081,
12.8143

■ 12.3484, 16.1081,
12.8143

■ 10.9896, 15.4514,
10.7909

■ 13.9391, 16.8798,
15.0942

■ 9.8503, 14.9023,
9.0140

■ 15.7706, 17.7695,
17.6380

■ 8.9191, 14.4553,
7.4745

■ 17.8530, 18.7829,
20.4543

■ 8.1829, 14.1041,
6.1621

■ 20.1953, 19.9243,
23.5508

■ 7.6270, 13.8412,
5.0660

■ 22.8063, 21.1981,
26.9351

■ 7.2346, 13.6582,
4.1745

■ 25.6941, 22.6084,
30.6142

■ 6.9512, 13.5273,
3.4731

■ 28.8667, 24.1591,
34.5952

■ 32.3315, 25.8539,
38.8846

■ 36.0960, 27.6965,
43.4891

Harmonies

Analogous

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



13.5445, 16.1081, 9.9392



12.3484, 16.1081, 12.8143



11.9313, 16.1081, 17.5612

Triad

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



12.3484, 16.1081, 12.8143



15.3180, 16.1081, 30.2618



18.7026, 16.1081, 12.7832

Complementary

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



12.3484, 16.1081, 12.8143



13.7858, 11.4817, 16.5291

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.



19.2736, 16.1081, 17.5168



12.3484, 16.1081, 12.8143



17.2232, 16.1081, 28.2692

Square

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



12.3484, 16.1081, 12.8143



13.5568, 16.1081, 28.2997



18.7115, 16.1081, 23.3020



17.2087, 16.1081, 9.9240

Rectangle

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



12.3484, 16.1081, 12.8143



12.1216, 16.1081, 21.4014



18.7115, 16.1081, 23.3020



19.0142, 16.1081, 14.1717

Sweetspot

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



12.3488, 16.1088, 12.8147



28.0062, 31.3832, 31.3899



14.8729, 17.4534, 10.9725



6.5380, 7.3893, 7.3034



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.



12.3488, 16.1088, 12.8147



20.0310, 27.5148, 20.0413



13.2424, 16.4662, 17.5199



3.9882, 4.4649, 4.4717



7.5778, 14.7548, 3.7614



35.8523, 70.2639, 16.3921

Inverse Universe

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



13.7858, 11.4817, 16.5291



22.9865, 17.9912, 27.6756



12.8923, 11.1243, 11.8239



4.1137, 4.0612, 4.7964



10.4576, 5.1592, 10.9666



49.5299, 24.4683, 50.4478

Previews

White Background



This preview shows how the XYZ color 12.3484, 16.1081, 12.8143 looks on a white background.

Color Contrast Check

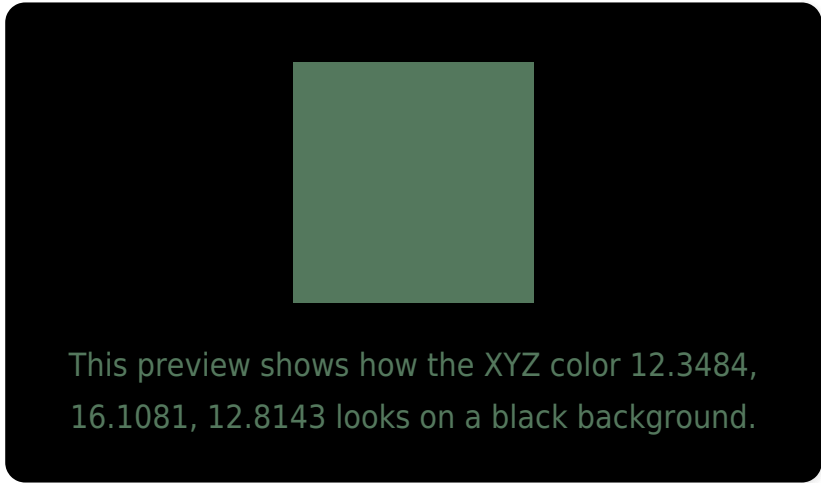
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.3484, 16.1081, 12.8143

Background



This preview shows how black text looks on a background with the XYZ color 12.3484, 16.1081, 12.8143.



This preview shows how white text looks on a background with the XYZ color 12.3484, 16.1081,

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

12.3484, 16.1081, 12.8143

Protanopia

14.9588, 15.9417, 11.7398

Deuteranopia

16.2711, 15.9491, 13.2872



Tritanopia

14.1635, 16.1451, 21.7719

Trichromacy



Original Color

12.3484, 16.1081, 12.8143

Protanomaly

13.8066, 15.8370, 12.0020

Deuteranomaly

14.5418, 15.8593, 13.1212

Tritanomaly

13.3664, 15.9895, 18.0046

Monochromacy



Original Color

12.3484, 16.1081, 12.8143

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.0704, 14.9051, 14.5000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3484, 16.1081, 12.8143 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(84, 120, 93) looks like.

```
.text, #text, p{  
    color:rgb(84, 120, 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(84, 120, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 120, 93) }
```

Border

The CSS property to change the border of an element to XYZ 12.3484, 16.1081, 12.8143 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(84, 120, 93) }
```


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

```
.border{ border-color:rgb(84, 120, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 120, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 120, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 120, 93);  
box-shadow:4px 4px 4px 4px rgb(84, 120,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3484, 16.1081, 12.8143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 120, 93) }
```

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

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