

Converting Colors

XYZ(12.0352, 16.4986, 10.7636)

Have a look what the booklet for
XYZ(12.0352, 16.4986, 10.7636)
contains.

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Color

**XYZ(12.0376, 16.5398,
10.7417)**

Conversions

Conversions Part 1

Format	Color
Hex	517B53
RGB	81, 123, 83
RGB Percent	32%, 48%, 33%
CMY	0.6824, 0.5176, 0.6745
CMYK	0.34, 0.00, 0.33, 0.52
HSL	123°, 21%, 40%
HSV	123°, 34%, 48%
XYZ	12.0376, 16.5398, 10.7417
YIQ	105.8820, -12.1920, -21.3440

Conversions

Conversions Part 2

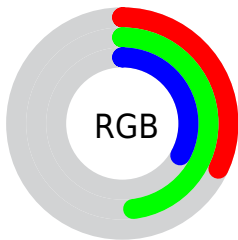
Format	Color
RYB	81, 121, 123
Decimal	5339987
CIELab	47.67, -23.37, 17.37
CIElCh	48, 29.116, 143.372
Yxy	16.5398, 0.3062, 0.4207
Android (android.graphics.Color)	4283530067 (0xFF517B53)
YUV	105.8820, -11.2808, -21.8215
Hunter-Lab	40.6692, -18.3371, 12.8085

Details

The XYZ color **12.0376, 16.5398, 10.7417** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **14.5625, 11.4765, 19.5372**, and the grayscale version is **13.6999, 14.4134, 15.6962**.

A 20% lighter version of the original color is **29.2747, 37.6497, 27.9145**, and **3.4258, 5.3608, 2.6879** is the 20% darker color. If you saturate the color by 10%, you get **10.6629, 15.8795, 8.5127**, and if you desaturate by 10%, it is **13.6806, 17.3305, 13.3829**.

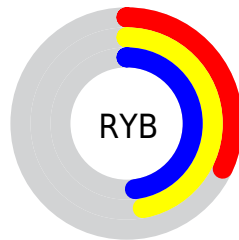
Distribution



Red (32%)

Green (48%)

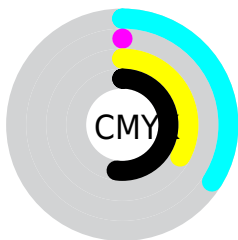
Blue (33%)



Red (32%)

Yellow (47%)

Blue (48%)

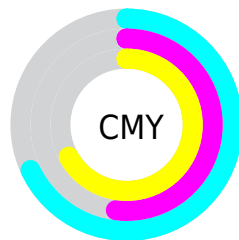


Cyan (34%)

Magenta (0%)

Yellow (33%)

Black (52%)



Cyan (68%)

Magenta (52%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0376, 16.5398, 10.7417 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 12.0376, 16.5398, 10.7417 by changing the saturation by 10% instead.

■ 12.0376, 16.5398,
10.7417

■ 12.0376, 16.5398,
10.7417

198.4189,
232.5062, 206.5602

■ 6.8417, 9.9069,
5.7814

■ 29.1798, 37.5328,
27.8108

■ 3.4087, 5.3373,
2.6460

■ 41.8568, 52.6618,
40.7568

■ 1.3734, 2.4465,
0.9161

■ 57.7583, 71.3915,
57.2018

■ 0.2372, 0.8497,
0.0000

■ 77.2494, 94.1065,
77.5642

■ 0.0000, 0.0000,
0.0000

■ 100.6957,
121.1910, 102.2628

128.4625,

153.0296, 131.7159

160.9151,
190.0065, 166.3422

■ 12.0376, 16.5398,
10.7417

■ 12.0376, 16.5398,
10.7417

■ 10.6629, 15.8795,
8.5127

■ 13.6806, 17.3305,
13.3829

■ 9.5410, 15.3407,
6.6742

■ 15.6037, 18.2559,
16.4545

■ 8.6569, 14.9165,
5.2040


■ 17.8196, 19.3227,
19.9749


■ 7.9934, 14.5987,
4.0772


■ 20.3398, 20.5363,
23.9610


■ 7.5311, 14.3779,
3.2661


■ 23.1753, 21.9020,
28.4291


 7.2442, 14.2414,
2.7383

 26.3363, 23.4249,
33.3945

 7.1154, 14.1795,
2.5302

 29.8328, 25.1098,
38.8719

 33.6742, 26.9613,
44.8752

 37.8697, 28.9836,
51.4181

Harmonies

Analogous

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



13.8182, 16.5398, 7.7984



12.0376, 16.5398, 10.7417



11.2562, 16.5398, 16.4053

Triad

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



12.0376, 16.5398, 10.7417



15.1502, 16.5398, 36.3204



20.7749, 16.5398, 12.9020

Complementary

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



12.0376, 16.5398, 10.7417



14.5625, 11.4765, 19.5372

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.



21.2323, 16.5398, 19.7140



12.0376, 16.5398, 10.7417



17.7900, 16.5398, 34.6237

Square

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



12.0376, 16.5398, 10.7417



12.9206, 16.5398, 32.1290



20.0872, 16.5398, 27.9816



18.8984, 16.5398, 8.7838

Rectangle

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



12.0376, 16.5398, 10.7417



11.3382, 16.5398, 21.5302



20.0872, 16.5398, 27.9816



21.1077, 16.5398, 14.8944

Sweetspot

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



12.0380, 16.5405, 10.7421



29.4258, 33.4048, 31.8269



16.5384, 18.8693, 10.5550



6.8241, 7.8163, 7.3270



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.



12.0380, 16.5405, 10.7421



19.5816, 28.6693, 16.0377



12.9450, 16.9033, 15.5183



3.9579, 4.4528, 4.3122



7.3599, 14.6676, 2.6142



35.0184, 69.9304, 12.0010

Inverse Universe

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



14.5625, 11.4765, 19.5372



24.8298, 18.1380, 34.3200



13.4407, 11.0278, 13.6299



4.1466, 4.0744, 4.9698



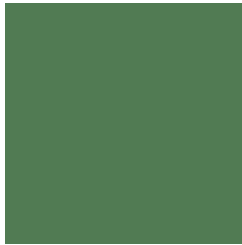
11.7797, 5.6880, 17.9285



56.0988, 27.0958, 85.0391

Previews

White Background



This preview shows how the XYZ color 12.0376, 16.5398, 10.7417 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 12.0376, 16.5398, 10.7417 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 12.0376, 16.5398, 10.7417

Background



This preview shows how black text looks on a background with the XYZ color 12.0376, 16.5398, 10.7417.



This preview shows how white text looks on a background with the XYZ color 12.0376, 16.5398,

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

12.0376, 16.5398, 10.7417

Protanopia

15.3424, 16.5123, 9.7757

Deuteranopia

16.5580, 16.3025, 11.0781



Tritanopia

14.3119, 16.3787, 22.4858

Trichromacy



Original Color

12.0376, 16.5398, 10.7417

Protanomaly

13.8727, 16.4276, 10.0291

Deuteranomaly

14.3549, 15.9768, 10.9216

Tritanomaly

13.3038, 16.3198, 17.4878

Monochromacy



Original Color

12.0376, 16.5398, 10.7417

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.9285, 15.0116, 13.7714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0376, 16.5398, 10.7417 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(81, 123, 83)` looks like.

```
.text, #text, p{  
    color:rgb(81, 123, 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(81, 123, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 123, 83) }
```

Border

The CSS property to change the border of an element to XYZ 12.0376, 16.5398, 10.7417 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(81, 123, 83) }
```


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

```
.border{ border-color:rgb(81, 123, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 123, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 123, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 123, 83);  
box-shadow:4px 4px 4px 4px rgb(81, 123,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0376, 16.5398, 10.7417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 123, 83) }
```

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

```
.background{ background-color: rgb(81, 123,  
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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