

Converting Colors

$Yxy(16.6035, 0.3102, 0.4252)$

Have a look what the booklet for
Yxy(16.6035, 0.3102, 0.4252)
contains.

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Color

Yxy(16.5990, 0.3105, 0.4247)

Conversions

Conversions Part 1

Format	Color
Hex	537B51
RGB	83, 123, 81
RGB Percent	33%, 48%, 32%
CMY	0.6745, 0.5176, 0.6823
CMYK	0.33, 0.00, 0.34, 0.52
HSL	117°, 21%, 40%
HSV	117°, 34%, 48%
XYZ	12.1356, 16.5990, 10.3495
YIQ	106.2520, -10.3580, -21.5420

Conversions

Conversions Part 2

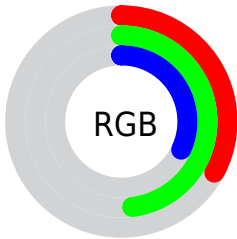
Format	Color
RYB	81, 123, 121
Decimal	5471057
CIELab	47.75, -23.01, 18.64
CIElCh	48, 29.616, 140.993
Yxy	16.5990, 0.3105, 0.4247
Android (android.graphics.Color)	4283661137 (0xFF537B51)
YUV	106.2520, -12.4492, -20.3920
Hunter-Lab	40.7419, -18.1293, 13.4582

Details

The Yxy color **16.5990, 0.3105, 0.4247** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.3809, 0.3134, 0.2476**, and the grayscale version is **14.5233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7577, 0.3119, 0.3999**, and **5.3823, 0.3044, 0.4734** is the 20% darker color. If you saturate the color by 10%, you get **15.9429, 0.3094, 0.4581**, and if you desaturate by 10%, it is **17.3800, 0.3114, 0.3932**.

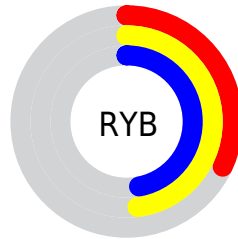
Distribution



Red (33%)

Green (48%)

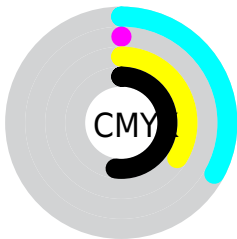
Blue (32%)



Red (32%)

Yellow (48%)

Blue (47%)

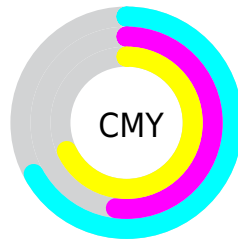


Cyan (33%)

Magenta (0%)

Yellow (34%)

Black (52%)



Cyan (67%)


Magenta (52%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5990, 0.3105, 0.4247 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 Yxy color 16.5990, 0.3105, 0.4247 by changing the saturation by 10% instead.


 16.5990, 0.3105,
0.4247


 16.5990, 0.3105,
0.4247

232.8508, 0.3132,
0.3663


 9.9490, 0.3087,
0.4445


 37.6350, 0.3121,
0.4001


 5.3652, 0.3052,
0.4744

 52.7898, 0.3125,
0.3920

 2.4631, 0.2974,
0.5245

 71.5484, 0.3127,
0.3855

 0.8581, 0.2282,
0.7718

 94.2950, 0.3129,
0.3803

 0.0000, 0.0000,
0.0000

 121.4142, 0.3130,
0.3759

153.2903, 0.3131,

0.3722

190.3077, 0.3131,
0.3691

■ 16.5990, 0.3105,
0.4247

■ 16.5990, 0.3105,
0.4247

■ 15.9429, 0.3094,
0.4581

■ 17.3800, 0.3114,
0.3932

■ 15.4033, 0.3081,
0.4920

■ 18.2896, 0.3121,
0.3645

■ 14.9740, 0.3066,
0.5245


■ 19.3341, 0.3126,
0.3388

■ 14.6473, 0.3050,
0.5532


■ 20.5187, 0.3129,
0.3161


■ 14.4147, 0.3033,
0.5759

■ 21.8482, 0.3131,
0.2963


 14.2657, 0.3019,
0.5913

 23.3274, 0.3133,
0.2792

 14.2042, 0.3016,
0.5987

 24.9606, 0.3134,
0.2644

 26.7523, 0.3134,
0.2515

 28.7064, 0.3134,
0.2404

Harmonies

Analogous

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



16.5990, 0.3670, 0.4346



16.5990, 0.3105, 0.4247



16.5990, 0.2574, 0.3795

Triad

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



16.5990, 0.3105, 0.4247



16.5990, 0.2196, 0.2431



16.5990, 0.4128, 0.3257

Complementary

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



16.5990, 0.3105, 0.4247



11.3809, 0.3134, 0.2476

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.



16.5990, 0.3658, 0.2841



16.5990, 0.3105, 0.4247



16.5990, 0.2536, 0.2381

Square

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



16.5990, 0.3105, 0.4247



16.5990, 0.2083, 0.2706



16.5990, 0.3061, 0.2530



16.5990, 0.4294, 0.3710

Rectangle

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



16.5990, 0.3105, 0.4247



16.5990, 0.2308, 0.3396



16.5990, 0.3061, 0.2530



16.5990, 0.3998, 0.3111

Sweetspot

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



16.5997, 0.3105, 0.4247



33.4506, 0.3123, 0.3541



18.4563, 0.3629, 0.4064



7.8281, 0.3122, 0.3571



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.5997, 0.3105, 0.4247



28.7819, 0.3097, 0.4509



16.8342, 0.2889, 0.3807



4.4582, 0.3123, 0.3510



14.6929, 0.3016, 0.5987



69.9820, 0.3007, 0.5995

Inverse Universe

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



11.3809, 0.3134, 0.2476



17.9266, 0.3133, 0.2294



11.0982, 0.3468, 0.2827



4.0683, 0.3130, 0.3078



5.4018, 0.3094, 0.1478



25.6597, 0.3088, 0.1475

Previews

White Background



This preview shows how the Yxy color 16.5990, 0.3105, 0.4247 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 Yxy color 16.5990, 0.3105, 0.4247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

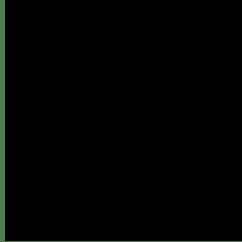
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.5990, 0.3105, 0.4247

Background



This preview shows how black text looks on a background with the Yxy color 16.5990, 0.3105, 0.4247.



This preview shows how white text looks on a background with the Yxy color 16.5990, 0.3105, 0.4247.

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

16.5990, 0.3105, 0.4247

Protanopia

16.4837, 0.3711, 0.4006

Deuteranopia

16.3518, 0.3811, 0.3746



Tritanopia

16.4790, 0.2712, 0.3081

Trichromacy



Original Color

16.5990, 0.3105, 0.4247

Protanomaly

16.4608, 0.3477, 0.4112

Deuteranomaly

16.0796, 0.3534, 0.3909

Tritanomaly

16.3941, 0.2856, 0.3485

Monochromacy



Original Color

16.5990, 0.3105, 0.4247

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.0481, 0.3125, 0.3620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5990, 0.3105, 0.4247 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, 123, 81)` looks like.

```
.text, #text, p{  
    color:rgb(83, 123, 81)  
}
```

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, 123, 81) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 16.5990, 0.3105, 0.4247 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, 123, 81) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to Yxy 16.5990, 0.3105, 0.4247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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