

Converting Colors

$Y_{xy}(16.2866, 0.3236, 0.4166)$

Have a look what the booklet for
Yxy(16.2866, 0.3236, 0.4166)
contains.

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Color

Yxy(16.3393, 0.3243, 0.4180)

Conversions

Conversions Part 1

Format	Color
Hex	5D7850
RGB	93, 120, 80
RGB Percent	36%, 47%, 31%
CMY	0.6354, 0.5294, 0.6863
CMYK	0.23, 0.00, 0.33, 0.53
HSL	101°, 20%, 39%
HSV	101°, 33%, 47%
XYZ	12.6766, 16.3393, 10.0733
YIQ	107.3670, -3.2520, -18.1640

Conversions

Conversions Part 2

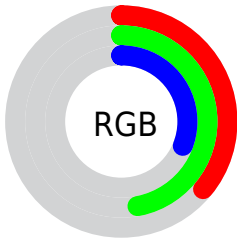
Format	Color
R_{YB}	80, 120, 107
Decimal	6125648
CIE _{Lab}	47.42, -17.89, 18.88
CIE _{LCh}	47, 26.009, 133.445
Yxy	16.3393, 0.3243, 0.4180
Android (android.graphics.Color)	4284315728 (0xFF5D7850)
YUV	107.3670, -13.4919, -12.5999
Hunter-Lab	40.4219, -14.7593, 13.5200

Details

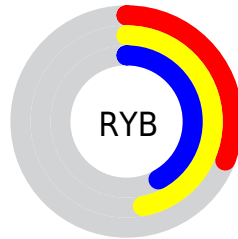
The Yxy color **16.3393, 0.3243, 0.4180** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.2197, 0.2960, 0.2454**, and the grayscale version is **14.8481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0460, 0.3222, 0.3941**, and **5.2087, 0.3262, 0.4612** is the 20% darker color. If you saturate the color by 10%, you get **15.7775, 0.3268, 0.4485**, and if you desaturate by 10%, it is **16.9791, 0.3212, 0.3888**.

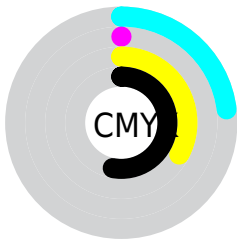
Distribution



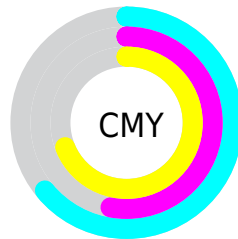
- Red (36%)
- Green (47%)
- Blue (31%)



- Red (31%)
- Yellow (47%)
- Blue (42%)



- Cyan (23%)
- Magenta (0%)
- Yellow (33%)
- Black (53%)





- Cyan (64%)
- Magenta (53%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3393, 0.3243, 0.4180 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 16.3393, 0.3243, 0.4180 by changing the saturation by 10% instead.


 16.3393, 0.3243,
0.4180


 16.3393, 0.3243,
0.4180


231.3356, 0.3186,
0.3640


 9.7646, 0.3253,
0.4362


 37.1862, 0.3224,
0.3954


 5.2431, 0.3258,
0.4633

 52.2273, 0.3217,
0.3878


 2.3906, 0.3250,
0.5090

 70.8591, 0.3210,
0.3819

 0.8211, 0.2951,
0.7049

 93.4663, 0.3204,
0.3770

 0.0000, 0.0000,
0.0000

 120.4331, 0.3199,
0.3729

152.1440, 0.3194,

0.3695

188.9834, 0.3190,
0.3665

■ 16.3393, 0.3243,
0.4180

■ 16.3393, 0.3243,
0.4180

■ 15.7775, 0.3268,
0.4485

■ 16.9791, 0.3212,
0.3888

■ 15.2884, 0.3283,
0.4793

■ 17.6976, 0.3177,
0.3617

■ 14.8695, 0.3286,
0.5089


■ 18.4983, 0.3140,
0.3368

■ 14.5171, 0.3276,
0.5358

■ 19.3838, 0.3102,
0.3143

■ 14.2273, 0.3251,
0.5584

■ 20.3565, 0.3065,
0.2942


 13.9955, 0.3212,
0.5753

 21.4188, 0.3029,
0.2764

 13.8652, 0.3187,
0.5851

 22.5730, 0.2995,
0.2606

 23.8214, 0.2963,
0.2466

 25.1659, 0.2932,
0.2342

Harmonies

Analogous

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



16.3393, 0.3729, 0.4196



16.3393, 0.3243, 0.4180



16.3393, 0.2749, 0.3853

Triad

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



16.3393, 0.3243, 0.4180



16.3393, 0.2249, 0.2570



16.3393, 0.3926, 0.3167

Complementary

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



16.3393, 0.3243, 0.4180



10.2197, 0.2960, 0.2454

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.



16.3393, 0.3469, 0.2809



16.3393, 0.3243, 0.4180



16.3393, 0.2507, 0.2470

Square

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



16.3393, 0.3243, 0.4180



16.3393, 0.2202, 0.2872



16.3393, 0.2943, 0.2560



16.3393, 0.4150, 0.3573

Rectangle

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



16.3393, 0.3243, 0.4180



16.3393, 0.2480, 0.3520



16.3393, 0.2943, 0.2560



16.3393, 0.3792, 0.3039

Sweetspot

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



16.3400, 0.3243, 0.4180



31.5431, 0.3165, 0.3537



15.0194, 0.3681, 0.3835



7.4384, 0.3170, 0.3566



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.3400, 0.3243, 0.4180



27.9677, 0.3262, 0.4412



15.8227, 0.3013, 0.4064



4.5073, 0.3161, 0.3508



15.1167, 0.3184, 0.5854



71.6940, 0.3151, 0.5880

Inverse Universe

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



10.2197, 0.2960, 0.2454



15.4526, 0.2909, 0.2253



10.9297, 0.3268, 0.2624



4.0154, 0.3090, 0.3076



3.3829, 0.2429, 0.1112



15.6621, 0.2390, 0.1090

Previews

White Background



This preview shows how the Yxy color 16.3393, 0.3243, 0.4180 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 16.3393, 0.3243, 0.4180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

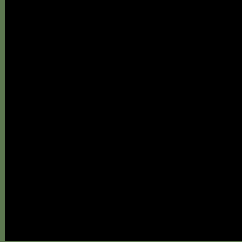
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

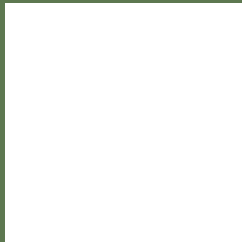
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.3393, 0.3243, 0.4180

Background



This preview shows how black text looks on a background with the Yxy color 16.3393, 0.3243, 0.4180.



This preview shows how white text looks on a background with the Yxy color 16.3393, 0.3243, 0.4180.

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

16.3393, 0.3243, 0.4180

Protanopia

16.1891, 0.3703, 0.3991

Deuteranopia

16.1265, 0.3831, 0.3746



Tritanopia

16.4260, 0.2840, 0.3105

Trichromacy



Original Color

16.3393, 0.3243, 0.4180

Protanomaly

16.1910, 0.3529, 0.4064

Deuteranomaly

16.0491, 0.3595, 0.3901

Tritanomaly

16.3467, 0.2981, 0.3482

Monochromacy



Original Color

16.3393, 0.3243, 0.4180

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.2762, 0.3178, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3393, 0.3243, 0.4180 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(93, 120, 80)` looks like.

```
.text, #text, p{  
    color:rgb(93, 120, 80)  
}
```

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(93, 120, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 120, 80) }
```

Border

The CSS property to change the border of an element to Yxy 16.3393, 0.3243, 0.4180 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(93, 120, 80) }
```

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

```
.border{ border-color:rgb(93, 120, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 120, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 120, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 120, 80);  
box-shadow:4px 4px 4px 4px rgb(93, 120,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3393, 0.3243, 0.4180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 120, 80) }
```

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

```
.background{ background-color: rgb(93, 120,  
80) }
```

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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