

# Converting Colors

$Y_{xy}(16.4824, 0.2933, 0.3806)$

Have a look what the booklet for  
Yxy(16.4824, 0.2933, 0.3806)  
contains.

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# Color

**Yxy(16.4414, 0.2939, 0.3806)**

# Conversions

## Conversions Part 1

Format	Color
Hex	547962
RGB	84, 121, 98
RGB Percent	33%, 47%, 38%
CMY	0.6707, 0.5255, 0.6157
CMYK	0.31, 0.00, 0.19, 0.53
HSL	143°, 18%, 40%
HSV	143°, 31%, 47%
XYZ	12.6961, 16.4414, 14.0612
YIQ	107.3150, -14.6690, -14.9970

# Conversions

## Conversions Part 2

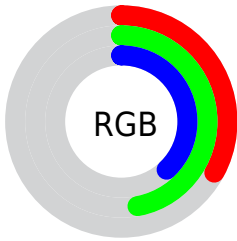
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	84, 111, 121
Decimal	5536098
CIE <sub>Lab</sub>	47.55, -18.32, 8.47
CIE <sub>LCh</sub>	48, 20.188, 155.181
Yxy	16.4414, 0.2939, 0.3806
Android (android.graphics.Color)	4283726178 (0xFF547962)
YUV	107.3150, -4.5923, -20.4473
Hunter-Lab	40.5480, -15.0684, 7.8231

# Details

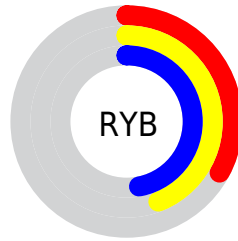
The Yxy color **16.4414, 0.2939, 0.3806** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.4619, 0.3379, 0.2826**, and the grayscale version is **14.8096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5929, 0.2989, 0.3677**, and **5.2760, 0.2836, 0.4043** is the 20% darker color. If you saturate the color by 10%, you get **15.7960, 0.2885, 0.4009**, and if you desaturate by 10%, it is **17.1980, 0.2998, 0.3619**.

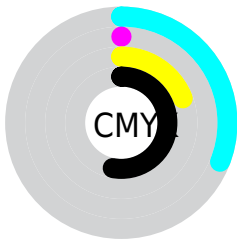
# Distribution



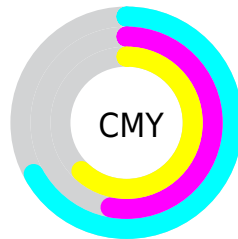
- Red (33%)
- Green (47%)
- Blue (38%)



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



- Cyan (31%)
- Magenta (0%)
- Yellow (19%)
- Black (53%)




- Cyan (67%)
- Magenta (53%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 16.4414, 0.2939, 0.3806 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 16.4414, 0.2939, 0.3806 by changing the saturation by 10% instead.





 16.4414, 0.2939,  
0.3806


 16.4414, 0.2939,  
0.3806


231.9324, 0.3054,  
0.3495


 9.8370, 0.2900,  
0.3910


 37.3628, 0.2987,  
0.3676


 5.2910, 0.2841,  
0.4067

 52.4487, 0.3003,  
0.3633


 2.4190, 0.2740,  
0.4329

 71.1304, 0.3016,  
0.3598

 0.8356, 0.2313,  
0.5571

 93.7926, 0.3026,  
0.3570

 0.0000, 0.0000,  
0.0000

 120.8194, 0.3035,  
0.3547

152.5954, 0.3042,

0.3527

189.5050, 0.3048,  
0.3510

■ 16.4414, 0.2939,  
0.3806

■ 16.4414, 0.2939,  
0.3806

■ 15.7960, 0.2885,  
0.4009

■ 17.1980, 0.2998,  
0.3619

■ 15.2544, 0.2840,  
0.4227

■ 18.0686, 0.3060,  
0.3450

■ 14.8115, 0.2806,  
0.4455

■ 19.0586, 0.3123,  
0.3299


■ 14.4608, 0.2785,  
0.4687

■ 20.1724, 0.3186,  
0.3164

■ 14.1954, 0.2781,  
0.4916

■ 21.4142, 0.3248,  
0.3045

 14.0068, 0.2793,  
0.5133

 22.7879, 0.3307,  
0.2941

 13.8730, 0.2812,  
0.5323

 24.2972, 0.3364,  
0.2849

 25.9460, 0.3418,  
0.2769

 27.7375, 0.3469,  
0.2699

# Harmonies

## Analogous

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



16.4414, 0.3336, 0.3997



16.4414, 0.2939, 0.3806



16.4414, 0.2607, 0.3448

# Triad

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



16.4414, 0.2939, 0.3806



16.4414, 0.2569, 0.2649



16.4414, 0.3892, 0.3436

# Complementary

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



16.4414, 0.2939, 0.3806



11.4619, 0.3379, 0.2826

# 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.



16.4414, 0.3661, 0.3114



16.4414, 0.2939, 0.3806



16.4414, 0.2883, 0.2677

# Square

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



16.4414, 0.2939, 0.3806



16.4414, 0.2405, 0.2780



16.4414, 0.3283, 0.2844



16.4414, 0.3900, 0.3745



# Rectangle

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



16.4414, 0.2939, 0.3806



16.4414, 0.2462, 0.3187



16.4414, 0.3283, 0.2844



16.4414, 0.3838, 0.3327

# Sweetspot

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



16.4421, 0.2939, 0.3806



32.5839, 0.3069, 0.3428



17.4687, 0.3384, 0.4062



7.4042, 0.3061, 0.3447



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.



16.4421, 0.2939, 0.3806



28.5742, 0.2899, 0.3953



16.8227, 0.2755, 0.3396



4.4728, 0.3070, 0.3426



14.8627, 0.2813, 0.5328



70.7426, 0.2839, 0.5421



# Inverse Universe

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



11.4619, 0.3379, 0.2826



18.0931, 0.3459, 0.2712



11.1207, 0.3686, 0.3189



4.0530, 0.3189, 0.3158



4.9004, 0.4405, 0.2200

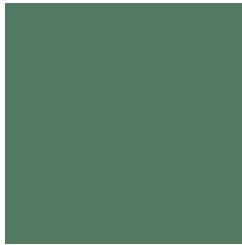


23.2057, 0.4485, 0.2244



# Previews

## White Background



This preview shows how the Yxy color 16.4414, 0.2939, 0.3806 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 16.4414, 0.2939, 0.3806 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

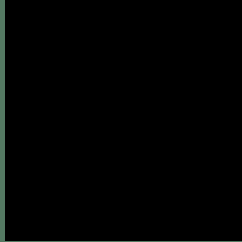
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

**Yxy 16.4414, 0.2939, 0.3806**

## **Background**



This preview shows how black text looks on a background with the Yxy color 16.4414, 0.2939, 0.3806.



This preview shows how white text looks on a background with the Yxy color 16.4414, 0.2939, 0.3806.

# 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

16.4414, 0.2939, 0.3806

### Protanopia

16.3184, 0.3453, 0.3653

### Deuteranopia

16.2539, 0.3502, 0.3426



## Tritanopia

16.4026, 0.2712, 0.3101

# Trichromacy



## Original Color

16.4414, 0.2939, 0.3806

## Protanomaly

16.1519, 0.3251, 0.3714

## Deuteranomaly

16.1751, 0.3275, 0.3558

## Tritanomaly

16.2925, 0.2793, 0.3332

# Monochromacy



## Original Color

16.4414, 0.2939, 0.3806

## Achromatopsia

14.7027, 0.3127, 0.3290

## Achromatomaly

15.2405, 0.3054, 0.3463

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 16.4414, 0.2939, 0.3806 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, 121, 98)` looks like.

```
.text, #text, p{  
    color:rgb(84, 121, 98)  
}
```

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, 121, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 121, 98) }
```

## Border

The CSS property to change the border of an element to Yxy 16.4414, 0.2939, 0.3806 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, 121, 98) }
```

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

```
.border{ border-color:rgb(84, 121, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 121, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 121, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 121, 98);  
box-shadow:4px 4px 4px 4px rgb(84, 121,  
98) }
```



# Background

The CSS property to change the background color of an element to Yxy 16.4414, 0.2939, 0.3806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 121, 98) }
```

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

```
.background{ background-color: rgb(84, 121,  
98) }
```

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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