

Converting Colors

$Y_{xy}(16.4231, 0.3158, 0.4144)$

Have a look what the booklet for
Yxy(16.4231, 0.3158, 0.4144)
contains.

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Color

Yxy(16.4231, 0.3158, 0.4144)

Conversions

Conversions Part 1

Format	Color
Hex	597953
RGB	89, 121, 83
RGB Percent	35%, 47%, 33%
CMY	0.6511, 0.5254, 0.6745
CMYK	0.26, 0.00, 0.31, 0.53
HSL	111°, 19%, 40%
HSV	111°, 31%, 47%
XYZ	12.5155, 16.4231, 10.6925
YIQ	107.1000, -6.8740, -18.6020

Conversions

Conversions Part 2

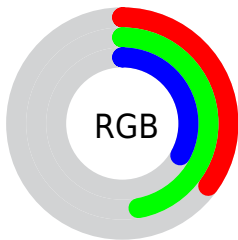
Format	Color
R_{YB}	83, 121, 115
Decimal	5863763
CIE _{Lab}	47.52, -19.44, 17.25
CIE _{LCh}	48, 25.992, 138.409
Yxy	16.4231, 0.3158, 0.4144
Android (android.graphics.Color)	4284053843 (0xFF597953)
YUV	107.1000, -11.8813, -15.8737
Hunter-Lab	40.5254, -15.7933, 12.7244

Details

The Yxy color **16.4231, 0.3158, 0.4144** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.2141, 0.3070, 0.2527**, and the grayscale version is **14.7653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5410, 0.3158, 0.3928**, and **5.2669, 0.3136, 0.4561** is the 20% darker color. If you saturate the color by 10%, you get **15.7830, 0.3161, 0.4463**, and if you desaturate by 10%, it is **17.1672, 0.3151, 0.3844**.

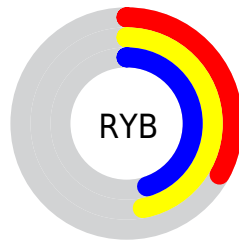
Distribution



Red (35%)

Green (47%)

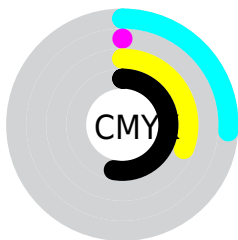
Blue (33%)



Red (33%)

Yellow (47%)

Blue (45%)

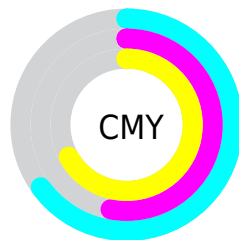


Cyan (26%)

Magenta (0%)

Yellow (31%)

Black (53%)



Cyan (65%)

Magenta (53%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.4231, 0.3158, 0.4144 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 16.4231, 0.3158, 0.4144 by changing the saturation by 10% instead.

■ 16.4231, 0.3158,
0.4144

■ 16.4231, 0.3158,
0.4144

■ 231.8256, 0.3151,
0.3625

■ 9.8240, 0.3153,
0.4320

■ 37.3312, 0.3159,
0.3926

■ 5.2824, 0.3138,
0.4583

■ 52.4090, 0.3158,
0.3854

■ 2.4139, 0.3094,
0.5021

■ 71.0819, 0.3157,
0.3796

■ 0.8330, 0.2758,
0.7242

■ 93.7341, 0.3156,
0.3749

■ 0.0000, 0.0000,
0.0000

■ 120.7503, 0.3154,
0.3710

152.5146, 0.3153,

0.3677

189.4116, 0.3152,
0.3649

■ 16.4231, 0.3158,
0.4144

■ 16.4231, 0.3158,
0.4144

■ 15.7830, 0.3161,
0.4463

■ 17.1672, 0.3151,
0.3844

■ 15.2401, 0.3158,
0.4791

■ 18.0175, 0.3141,
0.3569

■ 14.7904, 0.3149,
0.5112

■ 18.9786, 0.3129,
0.3323


■ 14.4285, 0.3133,
0.5405


■ 20.0544, 0.3116,
0.3104

■ 14.1484, 0.3110,
0.5651

■ 21.2486, 0.3103,
0.2911

 13.9436, 0.3081,
0.5831

 22.5645, 0.3089,
0.2743

 13.8158, 0.3061,
0.5951

 24.0056, 0.3076,
0.2595

 25.5749, 0.3063,
0.2467

 27.2757, 0.3051,
0.2355

Harmonies

Analogous

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



16.4231, 0.3654, 0.4212



16.4231, 0.3158, 0.4144



16.4231, 0.2677, 0.3774

Triad

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



16.4231, 0.3158, 0.4144



16.4231, 0.2280, 0.2541



16.4231, 0.3980, 0.3233

Complementary

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



16.4231, 0.3158, 0.4144



11.2141, 0.3070, 0.2527

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.



16.4231, 0.3553, 0.2863



16.4231, 0.3158, 0.4144



16.4231, 0.2570, 0.2475

Square

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



16.4231, 0.3158, 0.4144



16.4231, 0.2197, 0.2809



16.4231, 0.3028, 0.2593



16.4231, 0.4155, 0.3640

Rectangle

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



16.4231, 0.3158, 0.4144



16.4231, 0.2427, 0.3433



16.4231, 0.3028, 0.2593



16.4231, 0.3860, 0.3102

Sweetspot

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



16.4238, 0.3158, 0.4144



32.6181, 0.3138, 0.3513



16.8776, 0.3611, 0.3921



7.4128, 0.3140, 0.3544



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.



16.4238, 0.3158, 0.4144



28.5240, 0.3161, 0.4383



16.3546, 0.2953, 0.3863



4.4774, 0.3138, 0.3509



14.7993, 0.3060, 0.5952



70.3474, 0.3039, 0.5969

Inverse Universe

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



11.2141, 0.3070, 0.2527



17.5701, 0.3050, 0.2342



11.3413, 0.3359, 0.2780



4.0472, 0.3114, 0.3077



4.5031, 0.2828, 0.1332



21.1768, 0.2808, 0.1320

Previews

White Background



This preview shows how the Yxy color 16.4231, 0.3158, 0.4144 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 16.4231, 0.3158, 0.4144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

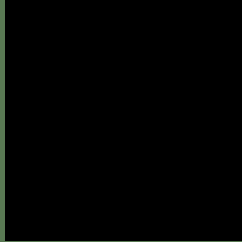
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4231, 0.3158, 0.4144

Background



This preview shows how black text looks on a background with the Yxy color 16.4231, 0.3158, 0.4144.



This preview shows how white text looks on a background with the Yxy color 16.4231, 0.3158, 0.4144.

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

16.4231, 0.3158, 0.4144

Protanopia

16.2178, 0.3677, 0.3952

Deuteranopia

16.3025, 0.3768, 0.3710



Tritanopia

16.4582, 0.2785, 0.3104

Trichromacy



Original Color

16.4231, 0.3158, 0.4144

Protanomaly

16.0919, 0.3476, 0.4029

Deuteranomaly

16.1791, 0.3522, 0.3864

Tritanomaly

16.4098, 0.2912, 0.3461

Monochromacy



Original Color

16.4231, 0.3158, 0.4144

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.1795, 0.3139, 0.3595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4231, 0.3158, 0.4144 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(89, 121, 83)` looks like.

```
.text, #text, p{  
  color:rgb(89, 121, 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(89, 121, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 121, 83) }
```

Border

The CSS property to change the border of an element to Yxy 16.4231, 0.3158, 0.4144 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(89, 121, 83) }
```

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

```
.border{ border-color:rgb(89, 121, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 121, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 121, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 121, 83);  
box-shadow:4px 4px 4px 4px rgb(89, 121,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4231, 0.3158, 0.4144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 121, 83) }
```

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

```
.background{ background-color: rgb(89, 121,  
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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