

Converting Colors

$Y_{xy}(12.4686, 0.2739, 0.3797)$

Have a look what the booklet for
Yxy(12.4686, 0.2739, 0.3797)
contains.

Yxy(12.5884, 0.2745, 0.3807)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.5884, 0.2745, 0.3807)

Conversions

Conversions Part 1

Format	Color
Hex	3B6D59
RGB	59, 109, 89
RGB Percent	23%, 43%, 35%
CMY	0.7685, 0.5726, 0.6510
CMYK	0.46, 0.00, 0.18, 0.57
HSL	156°, 30%, 33%
HSV	156°, 46%, 43%
XYZ	9.0767, 12.5884, 11.4013
YIQ	91.7700, -23.3800, -16.8200

Conversions

Conversions Part 2

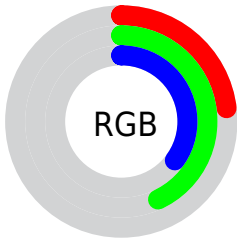
Format	Color
RYB	59, 90, 109
Decimal	3894617
CIELab	42.14, -22.05, 5.97
CIELCh	42, 22.839, 164.853
Yxy	12.5884, 0.2745, 0.3807
Android (android.graphics.Color)	4282084697 (0xFF3B6D59)
YUV	91.7700, -1.3656, -28.7393
Hunter-Lab	35.4801, -16.4253, 5.7836

Details

The Yxy color **12.5884, 0.2745, 0.3807** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.9477, 0.3792, 0.2837**, and the grayscale version is **10.6560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6050, 0.2843, 0.3670**, and **3.5581, 0.2524, 0.4085** is the 20% darker color. If you saturate the color by 10%, you get **12.2186, 0.2686, 0.3945**, and if you desaturate by 10%, it is **13.0332, 0.2816, 0.3677**.

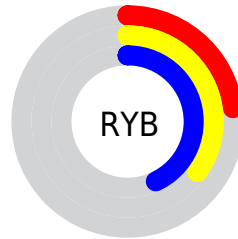
Distribution



Red (23%)

Green (43%)

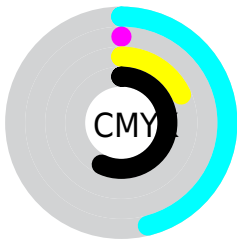
Blue (35%)



Red (23%)

Yellow (35%)

Blue (43%)

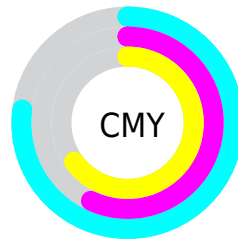


Cyan (46%)

Magenta (0%)

Yellow (18%)

Black (57%)



Cyan (77%)

Magenta (57%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.5884, 0.2745, 0.3807 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 12.5884, 0.2745, 0.3807 by changing the saturation by 10% instead.

12.5884, 0.2745,
0.3807

12.5884, 0.2745,
0.3807

208.2627, 0.2981,
0.3485

7.1457, 0.2662,
0.3923

30.5623, 0.2846,
0.3668

3.5534, 0.2534,
0.4106

43.8624, 0.2878,
0.3623

1.4270, 0.2299,
0.4440

60.5503, 0.2904,
0.3588

0.2365, 0.0000,
1.0000

81.0106, 0.2925,
0.3559

0.0000, 0.0000,
0.0000

105.6276, 0.2943,
0.3536

134.7856, 0.2957,

0.3516

168.8692, 0.2970,
0.3499

■ 12.5884, 0.2745,
0.3807

■ 12.5884, 0.2745,
0.3807

■ 12.2186, 0.2686,
0.3945

■ 13.0332, 0.2816,
0.3677

■ 11.9177, 0.2641,
0.4088

■ 13.5555, 0.2896,
0.3556

■ 11.6814, 0.2612,
0.4235


■ 14.1595, 0.2983,
0.3445

■ 11.5040, 0.2601,
0.4383

■ 14.8488, 0.3073,
0.3344


■ 11.3735, 0.2606,
0.4530

■ 15.6267, 0.3166,
0.3253

 11.3227, 0.2609,
0.4592

 16.4962, 0.3259,
0.3172

 17.4604, 0.3351,
0.3099

 18.5221, 0.3441,
0.3035

 19.6839, 0.3528,
0.2979

Harmonies

Analogous

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



12.5884, 0.3217, 0.4131



12.5884, 0.2745, 0.3807



12.5884, 0.2393, 0.3320

Triad

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



12.5884, 0.2745, 0.3807



12.5884, 0.2549, 0.2502



12.5884, 0.4110, 0.3583

Complementary

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



12.5884, 0.2745, 0.3807



6.9477, 0.3792, 0.2837

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.



12.5884, 0.3908, 0.3191



12.5884, 0.2745, 0.3807



12.5884, 0.2974, 0.2596

Square

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



12.5884, 0.2745, 0.3807



12.5884, 0.2290, 0.2590



12.5884, 0.3478, 0.2842



12.5884, 0.4021, 0.3942

Rectangle

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



12.5884, 0.2745, 0.3807



12.5884, 0.2264, 0.3008



12.5884, 0.3478, 0.2842



12.5884, 0.4074, 0.3452

Sweetspot

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



12.5889, 0.2745, 0.3807



25.5253, 0.2996, 0.3430



12.9521, 0.3335, 0.4522



5.8951, 0.2981, 0.3447



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.5889, 0.2745, 0.3807



21.8392, 0.2682, 0.3954



12.1044, 0.2526, 0.3185



3.4724, 0.3045, 0.3375



13.2391, 0.2612, 0.4603



67.2840, 0.2635, 0.4684

Inverse Universe

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



6.9477, 0.3792, 0.2837



10.3571, 0.4033, 0.2741



7.1442, 0.4215, 0.3389



3.1350, 0.3217, 0.3207



4.0076, 0.5281, 0.2683



20.2585, 0.5420, 0.2759

Previews

White Background



This preview shows how the Yxy color 12.5884, 0.2745, 0.3807 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 12.5884, 0.2745, 0.3807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

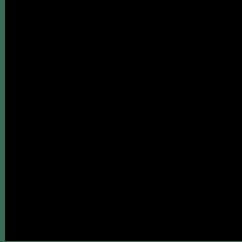
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5884, 0.2745, 0.3807

Background



This preview shows how black text looks on a background with the Yxy color 12.5884, 0.2745, 0.3807.



This preview shows how white text looks on a background with the Yxy color 12.5884, 0.2745, 0.3807.

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

12.5884, 0.2745, 0.3807

Protanopia

12.5068, 0.3416, 0.3629

Deuteranopia

12.5180, 0.3419, 0.3378



Tritanopia

12.6812, 0.2550, 0.3098

Trichromacy



Original Color

12.5884, 0.2745, 0.3807

Protanomaly

12.4471, 0.3136, 0.3699

Deuteranomaly

12.3380, 0.3131, 0.3526

Tritanomaly

12.5921, 0.2613, 0.3338

Monochromacy



Original Color

12.5884, 0.2745, 0.3807

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.1962, 0.2960, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5884, 0.2745, 0.3807 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(59, 109, 89)` looks like.

```
.text, #text, p{  
  color:rgb(59, 109, 89)  
}
```

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(59, 109, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 109, 89) }
```

Border

The CSS property to change the border of an element to Yxy 12.5884, 0.2745, 0.3807 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(59, 109, 89) }
```

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

```
.border{ border-color:rgb(59, 109, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 109, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 109, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 109, 89);  
box-shadow:4px 4px 4px 4px rgb(59, 109,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5884, 0.2745, 0.3807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 109, 89) }
```

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

```
.background{ background-color: rgb(59, 109,  
89) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor