

Converting Colors

$Y_{xy}(12.4100, 0.3117, 0.3804)$

Have a look what the booklet for
Yxy(12.4100, 0.3117, 0.3804)
contains.

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Color

Yxy(12.4100, 0.3117, 0.3804)

Conversions

Conversions Part 1

Format	Color
Hex	546853
RGB	84, 104, 83
RGB Percent	33%, 41%, 33%
CMY	0.6705, 0.5922, 0.6745
CMYK	0.19, 0.00, 0.20, 0.59
HSL	117°, 11%, 37%
HSV	117°, 20%, 41%
XYZ	10.1688, 12.4100, 10.0448
YIQ	95.6260, -5.1790, -10.7710

Conversions

Conversions Part 2

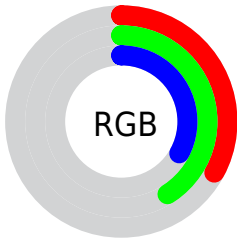
Format	Color
R_{YB}	83, 104, 103
Decimal	5531731
CIE _{Lab}	41.86, -12.04, 9.39
CIE _{LCh}	42, 15.265, 142.040
Yxy	12.4100, 0.3117, 0.3804
Android (android.graphics.Color)	4283721811 (0xFF546853)
YUV	95.6260, -6.2246, -10.1960
Hunter-Lab	35.2278, -10.1234, 7.7536

Details

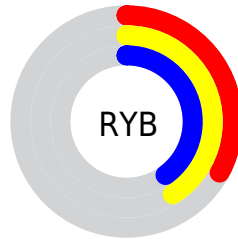
The Yxy color **12.4100, 0.3117, 0.3804** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.0709, 0.3133, 0.2820**, and the grayscale version is **11.6191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1770, 0.3129, 0.3671**, and **3.4783, 0.3089, 0.4112** is the 20% darker color. If you saturate the color by 10%, you get **11.8365, 0.3109, 0.4102**, and if you desaturate by 10%, it is **13.0733, 0.3123, 0.3534**.

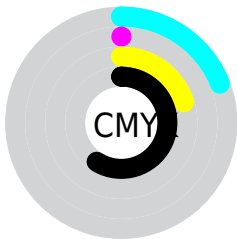
Distribution



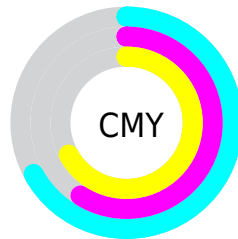
- Red (33%)
- Green (41%)
- Blue (33%)



- Red (33%)
- Yellow (41%)
- Blue (40%)



- Cyan (19%)
- Magenta (0%)
- Yellow (20%)
- Black (59%)



- Cyan (67%)
- Magenta (59%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.4100, 0.3117, 0.3804 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 12.4100, 0.3117, 0.3804 by changing the saturation by 10% instead.

■ 12.4100, 0.3117,
0.3804

■ 12.4100, 0.3117,
0.3804

■ 207.1010, 0.3127,
0.3484

■ 7.0236, 0.3110,
0.3919

■ 30.2397, 0.3123,
0.3666

■ 3.4768, 0.3097,
0.4101

■ 43.4517, 0.3124,
0.3621

■ 1.3855, 0.3077,
0.4444

■ 60.0410, 0.3125,
0.3586

■ 0.2060, 0.0000,
1.0000

■ 80.3920, 0.3126,
0.3558

■ 0.0000, 0.0000,
0.0000

■ 104.8891, 0.3126,
0.3534

133.9167, 0.3127,

0.3515

167.8592, 0.3127,
0.3498

■ 12.4100, 0.3117,
0.3804

■ 12.4100, 0.3117,
0.3804

■ 11.8365, 0.3109,
0.4102

■ 13.0733, 0.3123,
0.3534

■ 11.3474, 0.3100,
0.4422

■ 13.8284, 0.3127,
0.3294

■ 10.9393, 0.3088,
0.4755


■ 14.6790, 0.3130,
0.3083

■ 10.6078, 0.3074,
0.5084


■ 15.6285, 0.3132,
0.2899

■ 10.3480, 0.3058,
0.5388


■ 16.6799, 0.3133,
0.2739

 10.1547, 0.3042,
0.5645

 17.8360, 0.3134,
0.2600

 10.0218, 0.3027,
0.5836

 19.0996, 0.3134,
0.2480

 9.9325, 0.3020,
0.5984

 20.4735, 0.3134,
0.2376

 21.9602, 0.3133,
0.2285

Harmonies

Analogous

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



12.4100, 0.3443, 0.3884



12.4100, 0.3117, 0.3804



12.4100, 0.2805, 0.3560

Triad

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



12.4100, 0.3117, 0.3804



12.4100, 0.2581, 0.2786



12.4100, 0.3697, 0.3297

Complementary

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



12.4100, 0.3117, 0.3804



10.0709, 0.3133, 0.2820

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.



12.4100, 0.3443, 0.3036



12.4100, 0.3117, 0.3804



12.4100, 0.2796, 0.2748

Square

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



12.4100, 0.3117, 0.3804



12.4100, 0.2507, 0.2959



12.4100, 0.3109, 0.2840



12.4100, 0.3789, 0.3569

Rectangle

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



12.4100, 0.3117, 0.3804



12.4100, 0.2645, 0.3349



12.4100, 0.3109, 0.2840



12.4100, 0.3628, 0.3206

Sweetspot

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



12.4105, 0.3117, 0.3804



23.4482, 0.3125, 0.3434



13.2583, 0.3415, 0.3737



5.7071, 0.3125, 0.3445



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.4105, 0.3117, 0.3804



21.3021, 0.3114, 0.3935



12.5207, 0.2984, 0.3569



3.1483, 0.3123, 0.3502



12.2398, 0.3018, 0.5986



63.7282, 0.3007, 0.5994

Inverse Universe

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



10.0709, 0.3133, 0.2820



16.4330, 0.3133, 0.2714



9.9491, 0.3301, 0.3027



2.8827, 0.3130, 0.3086



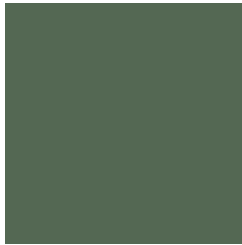
4.5008, 0.3095, 0.1479



23.3641, 0.3088, 0.1475

Previews

White Background



This preview shows how the Yxy color 12.4100, 0.3117, 0.3804 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 12.4100, 0.3117, 0.3804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

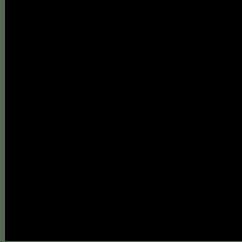
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4100, 0.3117, 0.3804

Background



This preview shows how black text looks on a background with the Yxy color 12.4100, 0.3117, 0.3804.



This preview shows how white text looks on a background with the Yxy color 12.4100, 0.3117, 0.3804.

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

12.4100, 0.3117, 0.3804

Protanopia

12.2576, 0.3479, 0.3700

Deuteranopia

12.3510, 0.3562, 0.3508



Tritanopia

12.4862, 0.2845, 0.3106

Trichromacy



Original Color

12.4100, 0.3117, 0.3804

Protanomaly

12.2498, 0.3346, 0.3736

Deuteranomaly

12.2002, 0.3388, 0.3611

Tritanomaly

12.4491, 0.2943, 0.3336

Monochromacy



Original Color

12.4100, 0.3117, 0.3804

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.9543, 0.3133, 0.3480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4100, 0.3117, 0.3804 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, 104, 83) looks like.

```
.text, #text, p{  
    color:rgb(84, 104, 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(84, 104, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 104, 83) }
```

Border

The CSS property to change the border of an element to Yxy 12.4100, 0.3117, 0.3804 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, 104, 83) }
```

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

```
.border{ border-color:rgb(84, 104, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 104, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 104, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 104, 83);  
box-shadow:4px 4px 4px 4px rgb(84, 104,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4100, 0.3117, 0.3804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 104, 83) }
```

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

```
.background{ background-color: rgb(84, 104,  
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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