

Converting Colors

$Y_{xy}(12.8787, 0.3117, 0.3862)$

Have a look what the booklet for
Yxy(12.8787, 0.3117, 0.3862)
contains.

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Color

Yxy(12.8174, 0.3115, 0.3849)

Conversions

Conversions Part 1

Format	Color
Hex	546A53
RGB	84, 106, 83
RGB Percent	33%, 42%, 33%
CMY	0.6705, 0.5843, 0.6745
CMYK	0.21, 0.00, 0.22, 0.58
HSL	117°, 12%, 37%
HSV	117°, 22%, 42%
XYZ	10.3731, 12.8174, 10.1101
YIQ	96.8000, -5.7290, -11.8170

Conversions

Conversions Part 2

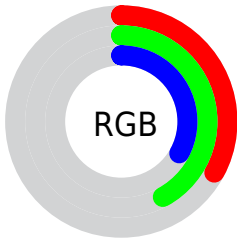
Format	Color
R_{YB}	83, 106, 105
Decimal	5532243
CIE _{Lab}	42.49, -13.16, 10.27
CIE _{LCh}	42, 16.692, 142.011
Yxy	12.8174, 0.3115, 0.3849
Android (android.graphics.Color)	4283722323 (0xFF546A53)
YUV	96.8000, -6.8034, -11.2256
Hunter-Lab	35.8014, -10.9337, 8.3179

Details

The Yxy color **12.8174, 0.3115, 0.3849** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.2278, 0.3134, 0.2783**, and the grayscale version is **11.9218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8757, 0.3118, 0.3686**, and **3.6799, 0.3085, 0.4185** is the 20% darker color. If you saturate the color by 10%, you get **12.2324, 0.3107, 0.4152**, and if you desaturate by 10%, it is **13.4960, 0.3122, 0.3574**.

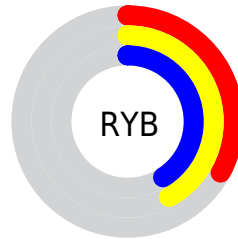
Distribution



 Red (33%)

 Green (42%)

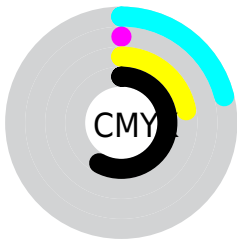
 Blue (33%)



 Red (33%)

 Yellow (42%)

 Blue (41%)

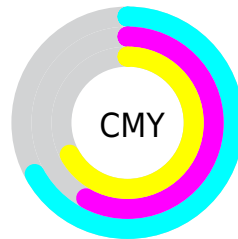


 Cyan (21%)


 Magenta (0%)

 Yellow (22%)

 Black (58%)



 Cyan (67%)

 Magenta (58%)

 Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.8174, 0.3115, 0.3849 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 12.8174, 0.3115, 0.3849 by changing the saturation by 10% instead.

■ 12.8174, 0.3115,
0.3849

■ 12.8174, 0.3115,
0.3849

■ 209.7441, 0.3127,
0.3501

■ 7.3029, 0.3107,
0.3973

■ 30.9753, 0.3122,
0.3700

■ 3.6523, 0.3092,
0.4168

■ 44.3876, 0.3124,
0.3651

■ 1.4810, 0.3064,
0.4529

■ 61.2013, 0.3125,
0.3613

■ 0.2753, 0.0000,
1.0000

■ 81.8007, 0.3125,
0.3582

■ 0.0000, 0.0000,
0.0000

■ 106.5703, 0.3126,
0.3557

135.8944, 0.3126,

0.3535

170.1576, 0.3127,
0.3517

■ 12.8174, 0.3115,
0.3849

■ 12.8174, 0.3115,
0.3849

■ 12.2324, 0.3107,
0.4152

■ 13.4960, 0.3122,
0.3574

■ 11.7355, 0.3096,
0.4476

■ 14.2705, 0.3126,
0.3329

■ 11.3228, 0.3084,
0.4810

■ 15.1449, 0.3130,
0.3113

■ 10.9898, 0.3069,
0.5137

■ 16.1226, 0.3133,
0.2925

■ 10.7311, 0.3054,
0.5436

■ 17.2069, 0.3134,
0.2761

■ 10.5412, 0.3038,
0.5683

■ 18.4008, 0.3135,
0.2619

■ 10.4134, 0.3023,
0.5862

■ 19.7072, 0.3136,
0.2496

■ 10.3380, 0.3018,
0.5985

■ 21.1291, 0.3136,
0.2390

■ 22.6691, 0.3136,
0.2297

Harmonies

Analogous

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



12.8174, 0.3468, 0.3934



12.8174, 0.3115, 0.3849



12.8174, 0.2779, 0.3583

Triad

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



12.8174, 0.3115, 0.3849



12.8174, 0.2539, 0.2746



12.8174, 0.3745, 0.3295

Complementary

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



12.8174, 0.3115, 0.3849



10.2278, 0.3134, 0.2783

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.



12.8174, 0.3468, 0.3016



12.8174, 0.3115, 0.3849



12.8174, 0.2769, 0.2707

Square

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



12.8174, 0.3115, 0.3849



12.8174, 0.2459, 0.2931



12.8174, 0.3107, 0.2806



12.8174, 0.3844, 0.3588

Rectangle

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



12.8174, 0.3115, 0.3849



12.8174, 0.2607, 0.3353



12.8174, 0.3107, 0.2806



12.8174, 0.3669, 0.3197

Sweetspot

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



12.8179, 0.3115, 0.3849



24.2786, 0.3124, 0.3460



13.7604, 0.3438, 0.3772



5.6768, 0.3124, 0.3468



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.



12.8179, 0.3115, 0.3849



21.9616, 0.3111, 0.3998



12.9427, 0.2973, 0.3593



3.4507, 0.3123, 0.3504



12.8265, 0.3016, 0.5987



65.2548, 0.3007, 0.5995

Inverse Universe

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



10.2278, 0.3134, 0.2783



16.5513, 0.3135, 0.2664



10.0880, 0.3317, 0.3006



3.1573, 0.3130, 0.3084



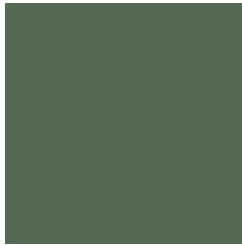
4.7392, 0.3102, 0.1482



24.0451, 0.3095, 0.1479

Previews

White Background



This preview shows how the Yxy color 12.8174, 0.3115, 0.3849 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 12.8174, 0.3115, 0.3849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

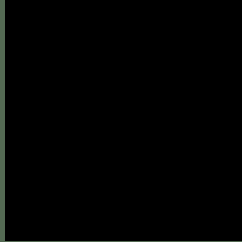
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8174, 0.3115, 0.3849

Background



This preview shows how black text looks on a background with the Yxy color 12.8174, 0.3115, 0.3849.

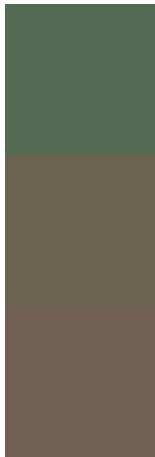


This preview shows how white text looks on a background with the Yxy color 12.8174, 0.3115, 0.3849.

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

12.8174, 0.3115, 0.3849

Protanopia

12.7577, 0.3501, 0.3738

Deuteranopia

12.6665, 0.3589, 0.3526



Tritanopia

12.7524, 0.2848, 0.3108

Trichromacy



Original Color

12.8174, 0.3115, 0.3849

Protanomaly

12.6935, 0.3354, 0.3777

Deuteranomaly

12.6975, 0.3412, 0.3651

Tritanomaly

12.6468, 0.2944, 0.3360

Monochromacy



Original Color

12.8174, 0.3115, 0.3849

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.1624, 0.3118, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8174, 0.3115, 0.3849 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, 106, 83)` looks like.

```
.text, #text, p{  
    color:rgb(84, 106, 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, 106, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 106, 83) }
```

Border

The CSS property to change the border of an element to Yxy 12.8174, 0.3115, 0.3849 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, 106, 83) }
```

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

```
.border{ border-color:rgb(84, 106, 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, 106, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 106, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 106, 83);  
box-shadow:4px 4px 4px 4px rgb(84, 106,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8174, 0.3115, 0.3849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 106, 83) }
```

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

```
.background{ background-color: rgb(84, 106,  
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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