

Converting Colors

$Y_{xy}(13.0007, 0.3003, 0.3800)$

Have a look what the booklet for
Yxy(13.0007, 0.3003, 0.3800)
contains.

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Color

$Y_{xy}(13.0755, 0.2998, 0.3803)$

Conversions

Conversions Part 1

Format	Color
Hex	4F6C57
RGB	79, 108, 87
RGB Percent	31%, 42%, 34%
CMY	0.6902, 0.5765, 0.6588
CMYK	0.27, 0.00, 0.19, 0.58
HSL	137°, 16%, 37%
HSV	137°, 27%, 42%
XYZ	10.3077, 13.0755, 10.9988
YIQ	96.9350, -10.5430, -12.6790

Conversions

Conversions Part 2

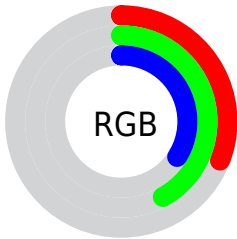
Format	Color
R_{YB}	79, 102, 108
Decimal	5205079
CIE _{Lab}	42.88, -15.34, 8.37
CIE _{LCh}	43, 17.473, 151.390
Yxy	13.0755, 0.2998, 0.3803
Android (android.graphics.Color)	4283395159 (0xFF4F6C57)
YUV	96.9350, -4.8980, -15.7290
Hunter-Lab	36.1601, -12.3971, 7.2778

Details

The Yxy color **13.0755, 0.2998, 0.3803** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.7008, 0.3287, 0.2827**, and the grayscale version is **11.9520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6149, 0.3034, 0.3670**, and **3.7222, 0.2908, 0.4067** is the 20% darker color. If you saturate the color by 10%, you get **12.5289, 0.2954, 0.4032**, and if you desaturate by 10%, it is **13.7123, 0.3045, 0.3594**.

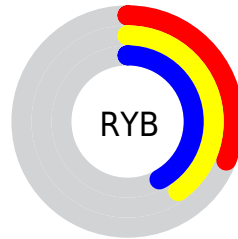
Distribution



Red (31%)

Green (42%)

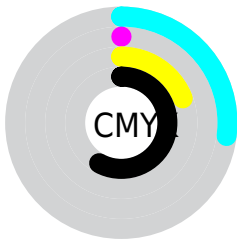
Blue (34%)



Red (31%)

Yellow (40%)

Blue (42%)

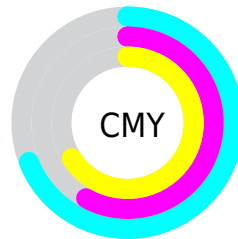


Cyan (27%)

Magenta (0%)

Yellow (19%)

Black (58%)



Cyan (69%)


Magenta (58%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0755, 0.2998, 0.3803 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 13.0755, 0.2998, 0.3803 by changing the saturation by 10% instead.


 13.0755, 0.2998,
0.3803

 13.0755, 0.2998,
0.3803

211.4010, 0.3080,
0.3485


 7.4806, 0.2967,
0.3917


 31.4394, 0.3034,
0.3666


 3.7644, 0.2918,
0.4094

 44.9771, 0.3045,
0.3622


 1.5427, 0.2825,
0.4410

 61.9311, 0.3054,
0.3587

 0.3185, 0.0000,
1.0000

 82.6860, 0.3062,
0.3559

 0.0000, 0.0000,
0.0000

 107.6260, 0.3067,
0.3535

137.1356, 0.3072,

0.3516

171.5991, 0.3077,
0.3499

■ 13.0755, 0.2998,
0.3803

■ 13.0755, 0.2998,
0.3803

■ 12.5289, 0.2954,
0.4032

■ 13.7123, 0.3045,
0.3594

■ 12.0668, 0.2915,
0.4278

■ 14.4415, 0.3094,
0.3407

■ 11.6854, 0.2884,
0.4536

■ 15.2671, 0.3142,
0.3240

■ 11.3798, 0.2863,
0.4798

■ 16.1927, 0.3190,
0.3092

■ 11.1447, 0.2856,
0.5055

■ 17.2213, 0.3235,
0.2962

■ 10.9742, 0.2862,
0.5295

■ 18.3562, 0.3279,
0.2849

■ 10.8531, 0.2877,
0.5508

■ 19.6001, 0.3320,
0.2749

■ 10.8181, 0.2881,
0.5570

■ 20.9561, 0.3358,
0.2662

■ 22.4267, 0.3394,
0.2587

Harmonies

Analogous

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



13.0755, 0.3370, 0.3956



13.0755, 0.2998, 0.3803



13.0755, 0.2674, 0.3484

Triad

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



13.0755, 0.2998, 0.3803



13.0755, 0.2576, 0.2697



13.0755, 0.3825, 0.3390

Complementary

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



13.0755, 0.2998, 0.3803



9.7008, 0.3287, 0.2827

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.



13.0755, 0.3587, 0.3090



13.0755, 0.2998, 0.3803



13.0755, 0.2856, 0.2703

Square

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



13.0755, 0.2998, 0.3803



13.0755, 0.2442, 0.2841



13.0755, 0.3225, 0.2846



13.0755, 0.3861, 0.3685

Rectangle

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



13.0755, 0.2998, 0.3803



13.0755, 0.2525, 0.3240



13.0755, 0.3225, 0.2846



13.0755, 0.3765, 0.3288

Sweetspot

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



13.0760, 0.2998, 0.3803



25.1682, 0.3087, 0.3431



14.0146, 0.3393, 0.3943



6.0523, 0.3081, 0.3453



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.



13.0760, 0.2998, 0.3803



22.3596, 0.2971, 0.3938



13.3320, 0.2833, 0.3450



3.4572, 0.3084, 0.3444



12.8989, 0.2885, 0.5586



65.5960, 0.2911, 0.5679

Inverse Universe

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



9.7008, 0.3287, 0.2827



15.4033, 0.3332, 0.2720



9.4490, 0.3536, 0.3137



3.1503, 0.3174, 0.3140



4.4574, 0.4018, 0.1987



22.5601, 0.4075, 0.2018

Previews

White Background



This preview shows how the Yxy color 13.0755, 0.2998, 0.3803 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 13.0755, 0.2998, 0.3803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

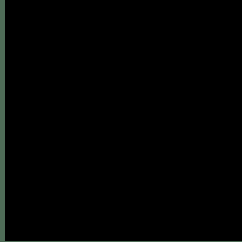
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0755, 0.2998, 0.3803

Background



This preview shows how black text looks on a background with the Yxy color 13.0755, 0.2998, 0.3803.



This preview shows how white text looks on a background with the Yxy color 13.0755, 0.2998, 0.3803.

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

13.0755, 0.2998, 0.3803

Protanopia

13.0577, 0.3469, 0.3689

Deuteranopia

12.9155, 0.3524, 0.3461



Tritanopia

12.9777, 0.2753, 0.3084

Trichromacy



Original Color

13.0755, 0.2998, 0.3803

Protanomaly

13.0821, 0.3292, 0.3752

Deuteranomaly

12.8367, 0.3321, 0.3584

Tritanomaly

12.8965, 0.2833, 0.3313

Monochromacy



Original Color

13.0755, 0.2998, 0.3803

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.2713, 0.3075, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0755, 0.2998, 0.3803 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(79, 108, 87)` looks like.

```
.text, #text, p{  
    color:rgb(79, 108, 87)  
}
```

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(79, 108, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 108, 87) }
```

Border

The CSS property to change the border of an element to Yxy 13.0755, 0.2998, 0.3803 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(79, 108, 87) }
```

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

```
.border{ border-color:rgb(79, 108, 87) }
```

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

Here you see how a box with a 4 pixel rgb(79, 108, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 108, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 108, 87);  
box-shadow:4px 4px 4px 4px rgb(79, 108,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0755, 0.2998, 0.3803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 108, 87) }
```

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

```
.background{ background-color: rgb(79, 108,  
87) }
```

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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