

Converting Colors

$Y_{xy}(15.0425, 0.3011, 0.3878)$

Have a look what the booklet for
Yxy(15.0425, 0.3011, 0.3878)
contains.

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Color

$Y_{xy}(15.0680, 0.3013, 0.3894)$

Conversions

Conversions Part 1

Format	Color
Hex	53745A
RGB	83, 116, 90
RGB Percent	33%, 45%, 35%
CMY	0.6745, 0.5451, 0.6470
CMYK	0.28, 0.00, 0.22, 0.55
HSL	133°, 17%, 39%
HSV	133°, 28%, 45%
XYZ	11.6589, 15.0680, 11.9685
YIQ	103.1690, -11.3220, -15.0820

Conversions

Conversions Part 2

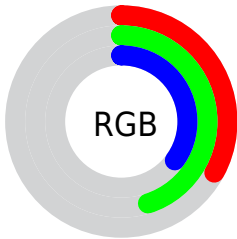
Format	Color
R_{YB}	83, 110, 116
Decimal	5469274
CIE _{Lab}	45.73, -17.63, 10.62
CIE _{LCh}	46, 20.584, 148.937
Yxy	15.0680, 0.3013, 0.3894
Android (android.graphics.Color)	4283659354 (0xFF53745A)
YUV	103.1690, -6.4923, -17.6882
Hunter-Lab	38.8175, -14.3178, 8.8915

Details

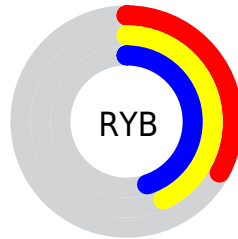
The Yxy color **15.0680, 0.3013, 0.3894** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.0050, 0.3267, 0.2754**, and the grayscale version is **13.6313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8853, 0.3044, 0.3737**, and **4.6912, 0.2939, 0.4242** is the 20% darker color. If you saturate the color by 10%, you get **14.4381, 0.2976, 0.4150**, and if you desaturate by 10%, it is **15.8066, 0.3053, 0.3660**.

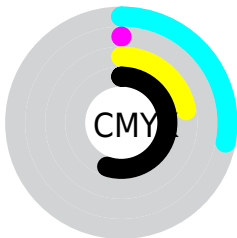
Distribution



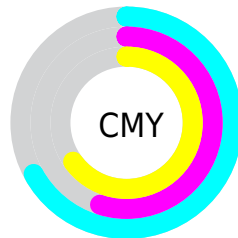
- Red (33%)
- Green (45%)
- Blue (35%)



- Red (33%)
- Yellow (43%)
- Blue (45%)



- Cyan (28%)
- Magenta (0%)
- Yellow (22%)
- Black (55%)





- Cyan (67%)
- Magenta (55%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0680, 0.3013, 0.3894 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 15.0680, 0.3013, 0.3894 by changing the saturation by 10% instead.


 15.0680, 0.3013,
0.3894


 15.0680, 0.3013,
0.3894


223.7774, 0.3086,
0.3525


 8.8671, 0.2985,
0.4021


 34.9724, 0.3045,
0.3738


 4.6546, 0.2941,
0.4216

 49.4448, 0.3056,
0.3686


 2.0461, 0.2858,
0.4550

 67.4431, 0.3064,
0.3645

 0.6340, 0.2136,
0.7864

 89.3517, 0.3070,
0.3612

 0.0000, 0.0000,
0.0000

 115.5550, 0.3075,
0.3585

146.4375, 0.3079,

0.3562

182.3835, 0.3083,
0.3542

■ 15.0680, 0.3013,
0.3894

■ 15.0680, 0.3013,
0.3894

■ 14.4381, 0.2976,
0.4150

■ 15.8066, 0.3053,
0.3660

■ 13.9100, 0.2944,
0.4423

■ 16.6567, 0.3093,
0.3449

■ 13.4787, 0.2919,
0.4706

■ 17.6235, 0.3133,
0.3262

■ 13.1382, 0.2903,
0.4988

■ 18.7111, 0.3172,
0.3098

■ 12.8819, 0.2899,
0.5255

■ 19.9235, 0.3210,
0.2953

■ 12.7020, 0.2907,
0.5492

■ 21.2647, 0.3245,
0.2827

■ 12.5773, 0.2921,
0.5691

■ 22.7381, 0.3278,
0.2717

■ 12.5594, 0.2922,
0.5719

■ 24.3474, 0.3309,
0.2622

■ 26.0959, 0.3338,
0.2539

Harmonies

Analogous

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



15.0680, 0.3429, 0.4045



15.0680, 0.3013, 0.3894



15.0680, 0.2644, 0.3541

Triad

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



15.0680, 0.3013, 0.3894



15.0680, 0.2493, 0.2634



15.0680, 0.3898, 0.3370

Complementary

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



15.0680, 0.3013, 0.3894



11.0050, 0.3267, 0.2754

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.



15.0680, 0.3614, 0.3040



15.0680, 0.3013, 0.3894



15.0680, 0.2791, 0.2630

Square

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



15.0680, 0.3013, 0.3894



15.0680, 0.2359, 0.2804



15.0680, 0.3200, 0.2777



15.0680, 0.3957, 0.3702

Rectangle

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



15.0680, 0.3013, 0.3894



15.0680, 0.2470, 0.3264



15.0680, 0.3200, 0.2777



15.0680, 0.3825, 0.3256

Sweetspot

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



15.0686, 0.3013, 0.3894



29.1543, 0.3090, 0.3465



16.3923, 0.3441, 0.3983



6.9106, 0.3085, 0.3489



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



15.0686, 0.3013, 0.3894



25.7551, 0.2989, 0.4056



15.3731, 0.2838, 0.3512



4.1098, 0.3091, 0.3461



14.0920, 0.2924, 0.5728



68.5663, 0.2946, 0.5804

Inverse Universe

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



11.0050, 0.3267, 0.2754



17.3884, 0.3306, 0.2631



10.6895, 0.3535, 0.3080



3.7453, 0.3166, 0.3124



5.0193, 0.3806, 0.1870



24.3311, 0.3845, 0.1892

Previews

White Background



This preview shows how the Yxy color 15.0680, 0.3013, 0.3894 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 15.0680, 0.3013, 0.3894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

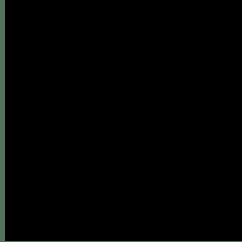
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0680, 0.3013, 0.3894

Background



This preview shows how black text looks on a background with the Yxy color 15.0680, 0.3013, 0.3894.



This preview shows how white text looks on a background with the Yxy color 15.0680, 0.3013, 0.3894.

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

15.0680, 0.3013, 0.3894

Protanopia

15.0418, 0.3518, 0.3749

Deuteranopia

14.9760, 0.3572, 0.3511



Tritanopia

15.0927, 0.2741, 0.3096

Trichromacy



Original Color

15.0680, 0.3013, 0.3894

Protanomaly

14.9406, 0.3320, 0.3816

Deuteranomaly

14.7490, 0.3350, 0.3632

Tritanomaly

14.9623, 0.2837, 0.3356

Monochromacy



Original Color

15.0680, 0.3013, 0.3894

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.0938, 0.3089, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0680, 0.3013, 0.3894 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(83, 116, 90)` looks like.

```
.text, #text, p{  
    color:rgb(83, 116, 90)  
}
```

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(83, 116, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 116, 90) }
```

Border

The CSS property to change the border of an element to Yxy 15.0680, 0.3013, 0.3894 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(83, 116, 90) }
```

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

```
.border{ border-color:rgb(83, 116, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 116, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 116, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 116, 90);  
box-shadow:4px 4px 4px 4px rgb(83, 116,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0680, 0.3013, 0.3894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 116, 90) }
```

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

```
.background{ background-color: rgb(83, 116,  
90) }
```

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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