

Converting Colors

$Y_{xy}(15.2687, 0.2826, 0.3834)$

Have a look what the booklet for
Yxy(15.2687, 0.2826, 0.3834)
contains.

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Color

Yxy(15.3778, 0.2818, 0.3833)

Conversions

Conversions Part 1

Format	Color
Hex	477760
RGB	71, 119, 96
RGB Percent	28%, 47%, 38%
CMY	0.7216, 0.5333, 0.6236
CMYK	0.40, 0.00, 0.19, 0.53
HSL	151°, 25%, 37%
HSV	151°, 40%, 47%
XYZ	11.3057, 15.3778, 13.4360
YIQ	102.0260, -21.2250, -17.3290

Conversions

Conversions Part 2

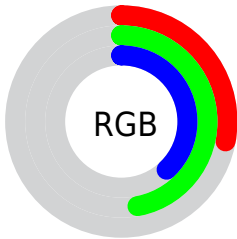
Format	Color
R_{YB}	71, 103, 119
Decimal	4683616
CIE _{Lab}	46.15, -21.98, 7.58
CIE _{LCh}	46, 23.248, 160.972
Yxy	15.3778, 0.2818, 0.3833
Android (android.graphics.Color)	4282873696 (0xFF477760)
YUV	102.0260, -2.9708, -27.2098
Hunter-Lab	39.2145, -17.1633, 7.1357

Details

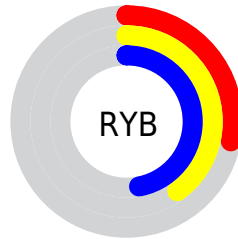
The Yxy color **15.3778, 0.2818, 0.3833** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.2357, 0.3615, 0.2810**, and the grayscale version is **13.3058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7492, 0.2897, 0.3692**, and **4.7812, 0.2657, 0.4102** is the 20% darker color. If you saturate the color by 10%, you get **14.8705, 0.2759, 0.3997**, and if you desaturate by 10%, it is **15.9821, 0.2887, 0.3680**.

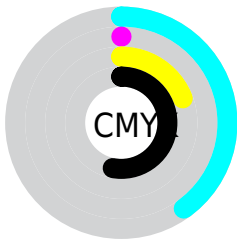
Distribution



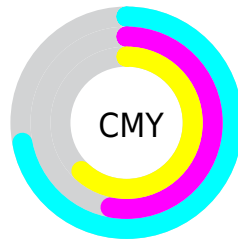
- Red (28%)
- Green (47%)
- Blue (38%)



- Red (28%)
- Yellow (40%)
- Blue (47%)



- Cyan (40%)
- Magenta (0%)
- Yellow (19%)
- Black (53%)




- Cyan (72%)
- Magenta (53%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3778, 0.2818, 0.3833 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 15.3778, 0.2818, 0.3833 by changing the saturation by 10% instead.


 15.3778, 0.2818,
0.3833


 15.3778, 0.2818,
0.3833


225.6417, 0.3005,
0.3502


 9.0850, 0.2755,
0.3946

 35.5146, 0.2897,
0.3694


 4.7966, 0.2659,
0.4119

 50.1274, 0.2923,
0.3648


 2.1284, 0.2498,
0.4412

 68.2822, 0.2943,
0.3611

 0.6806, 0.1101,
0.6792

 90.3635, 0.2960,
0.3581

 0.0000, 0.0000,
0.0000

 116.7558, 0.2974,
0.3556

147.8433, 0.2986,

0.3536

184.0104, 0.2996,
0.3518

■ 15.3778, 0.2818,
0.3833

■ 15.3778, 0.2818,
0.3833

■ 14.8705, 0.2759,
0.3997

■ 15.9821, 0.2887,
0.3680

■ 14.4530, 0.2713,
0.4170

■ 16.6865, 0.2962,
0.3538

■ 14.1200, 0.2682,
0.4349


■ 17.4962, 0.3042,
0.3410


■ 13.8650, 0.2668,
0.4529

■ 18.4153, 0.3124,
0.3294


■ 13.6803, 0.2673,
0.4707


■ 19.4479, 0.3207,
0.3190

 13.5423, 0.2687,
0.4875

 20.5980, 0.3289,
0.3098

 21.8690, 0.3369,
0.3017

 23.2646, 0.3446,
0.2946

 24.7879, 0.3520,
0.2883

Harmonies

Analogous

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



15.3778, 0.3276, 0.4109



15.3778, 0.2818, 0.3833



15.3778, 0.2461, 0.3382

Triad

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



15.3778, 0.2818, 0.3833



15.3778, 0.2533, 0.2537



15.3778, 0.4053, 0.3525

Complementary

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



15.3778, 0.2818, 0.3833



9.2357, 0.3615, 0.2810

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.



15.3778, 0.3827, 0.3150



15.3778, 0.2818, 0.3833



15.3778, 0.2923, 0.2605

Square

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



15.3778, 0.2818, 0.3833



15.3778, 0.2308, 0.2647



15.3778, 0.3401, 0.2824



15.3778, 0.4005, 0.3875

Rectangle

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



15.3778, 0.2818, 0.3833



15.3778, 0.2319, 0.3077



15.3778, 0.3401, 0.2824



15.3778, 0.4007, 0.3399

Sweetspot

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



15.3784, 0.2818, 0.3833



31.0289, 0.3026, 0.3434



16.0398, 0.3360, 0.4357



7.3185, 0.3018, 0.3446



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



15.3784, 0.2818, 0.3833



26.7208, 0.2765, 0.3978



15.6764, 0.2593, 0.3271



4.1271, 0.3053, 0.3394



14.3846, 0.2689, 0.4879



69.9239, 0.2713, 0.4968

Inverse Universe

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



9.2357, 0.3615, 0.2810



14.1678, 0.3773, 0.2707



8.9847, 0.4070, 0.3310



3.7274, 0.3208, 0.3189



4.4792, 0.4970, 0.2512



21.6564, 0.5088, 0.2577

Previews

White Background



This preview shows how the Yxy color 15.3778, 0.2818, 0.3833 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 15.3778, 0.2818, 0.3833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

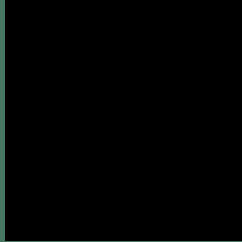
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.3778, 0.2818, 0.3833

Background



This preview shows how black text looks on a background with the Yxy color 15.3778, 0.2818, 0.3833.



This preview shows how white text looks on a background with the Yxy color 15.3778, 0.2818, 0.3833.

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

15.3778, 0.2818, 0.3833

Protanopia

15.3374, 0.3446, 0.3664

Deuteranopia

15.2150, 0.3468, 0.3410



Tritanopia

15.3364, 0.2603, 0.3092

Trichromacy



Original Color

15.3778, 0.2818, 0.3833

Protanomaly

15.2532, 0.3185, 0.3730

Deuteranomaly

14.9768, 0.3196, 0.3549

Tritanomaly

15.2015, 0.2672, 0.3334

Monochromacy



Original Color

15.3778, 0.2818, 0.3833

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.8694, 0.2998, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3778, 0.2818, 0.3833 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(71, 119, 96)` looks like.

```
.text, #text, p{  
    color:rgb(71, 119, 96)  
}
```

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(71, 119, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 119, 96) }
```

Border

The CSS property to change the border of an element to Yxy 15.3778, 0.2818, 0.3833 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(71, 119, 96) }
```

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

```
.border{ border-color:rgb(71, 119, 96) }
```

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

Here you see how a box with a 4 pixel rgb(71, 119, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 119, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 119, 96);  
box-shadow:4px 4px 4px 4px rgb(71, 119,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3778, 0.2818, 0.3833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 119, 96) }
```

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

```
.background{ background-color: rgb(71, 119,  
96) }
```

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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