

Converting Colors

$Y_{xy}(15.3608, 0.2775, 0.3834)$

Have a look what the booklet for
Yxy(15.3608, 0.2775, 0.3834)
contains.

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Color

$Y_{xy}(15.2500, 0.2768, 0.3814)$

Conversions

Conversions Part 1

Format	Color
Hex	437761
RGB	67, 119, 97
RGB Percent	26%, 47%, 38%
CMY	0.7373, 0.5333, 0.6196
CMYK	0.44, 0.00, 0.19, 0.53
HSL	155°, 28%, 36%
HSV	155°, 44%, 47%
XYZ	11.0676, 15.2500, 13.6666
YIQ	100.9440, -23.9300, -17.8660

Conversions

Conversions Part 2

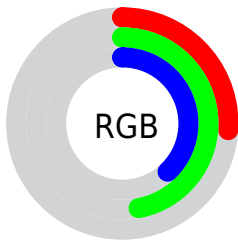
Format	Color
RYB	67, 100, 119
Decimal	4421473
CIELab	45.97, -22.97, 6.72
CIELCh	46, 23.933, 163.705
Yxy	15.2500, 0.2768, 0.3814
Android (android.graphics.Color)	4282611553 (0xFF437761)
YUV	100.9440, -1.9444, -29.7689
Hunter-Lab	39.0512, -17.7504, 6.5864

Details

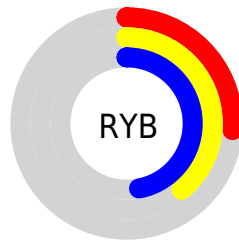
The Yxy color **15.2500, 0.2768, 0.3814** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.6554, 0.3732, 0.2829**, and the grayscale version is **13.0072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4947, 0.2858, 0.3679**, and **4.7295, 0.2583, 0.4071** is the 20% darker color. If you saturate the color by 10%, you get **14.7815, 0.2708, 0.3960**, and if you desaturate by 10%, it is **15.8121, 0.2839, 0.3676**.

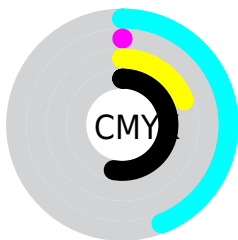
Distribution



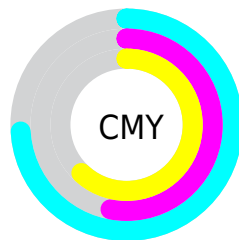
- Red (26%)
- Green (47%)
- Blue (38%)



- Red (26%)
- Yellow (39%)
- Blue (47%)



- Cyan (44%)
- Magenta (0%)
- Yellow (19%)
- Black (53%)




- Cyan (74%)
- Magenta (53%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2500, 0.2768, 0.3814 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 15.2500, 0.2768, 0.3814 by changing the saturation by 10% instead.


 15.2500, 0.2768,
0.3814


 15.2500, 0.2768,
0.3814


224.8745, 0.2985,
0.3495


 8.9950, 0.2695,
0.3923


 35.2912, 0.2859,
0.3679


 4.7379, 0.2586,
0.4089

 49.8461, 0.2889,
0.3635


 2.0943, 0.2405,
0.4372

 67.9366, 0.2913,
0.3600

 0.6614, 0.0693,
0.6749

 89.9469, 0.2932,
0.3571

 0.0000, 0.0000,
0.0000

 116.2614, 0.2949,
0.3547

147.2646, 0.2962,

0.3527

183.3408, 0.2974,
0.3510

■ 15.2500, 0.2768,
0.3814

■ 15.2500, 0.2768,
0.3814

■ 14.7815, 0.2708,
0.3960

■ 15.8121, 0.2839,
0.3676

■ 14.3994, 0.2662,
0.4114

■ 16.4710, 0.2919,
0.3549

■ 14.0982, 0.2632,
0.4271


■ 17.2320, 0.3005,
0.3432


■ 13.8711, 0.2621,
0.4429

■ 18.0992, 0.3094,
0.3327


■ 13.7088, 0.2628,
0.4586


■ 19.0769, 0.3184,
0.3232

 13.6205, 0.2634,
0.4684

 20.1689, 0.3274,
0.3147

 21.3787, 0.3363,
0.3072

 22.7100, 0.3450,
0.3005

 24.1661, 0.3534,
0.2947

Harmonies

Analogous

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



15.2500, 0.3235, 0.4123



15.2500, 0.2768, 0.3814



15.2500, 0.2415, 0.3339

Triad

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



15.2500, 0.2768, 0.3814



15.2500, 0.2545, 0.2514



15.2500, 0.4091, 0.3565

Complementary

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



15.2500, 0.2768, 0.3814



8.6554, 0.3732, 0.2829

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.



15.2500, 0.3881, 0.3179



15.2500, 0.2768, 0.3814



15.2500, 0.2959, 0.2600

Square

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



15.2500, 0.2768, 0.3814



15.2500, 0.2297, 0.2609



15.2500, 0.3454, 0.2837



15.2500, 0.4014, 0.3920

Rectangle

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



15.2500, 0.2768, 0.3814



15.2500, 0.2282, 0.3030



15.2500, 0.3454, 0.2837



15.2500, 0.4052, 0.3436

Sweetspot

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



15.2506, 0.2768, 0.3814



30.9107, 0.3008, 0.3428



15.7501, 0.3341, 0.4467



7.2618, 0.2992, 0.3449



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.



15.2506, 0.2768, 0.3814



26.4969, 0.2710, 0.3954



14.9091, 0.2548, 0.3209



4.1303, 0.3046, 0.3381



14.4673, 0.2636, 0.4688



70.3272, 0.2658, 0.4769

Inverse Universe

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



8.6554, 0.3732, 0.2829



13.1116, 0.3935, 0.2734



8.7639, 0.4164, 0.3367



3.7242, 0.3216, 0.3201



4.4129, 0.5199, 0.2638



21.3410, 0.5327, 0.2708

Previews

White Background



This preview shows how the Yxy color 15.2500, 0.2768, 0.3814 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 15.2500, 0.2768, 0.3814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

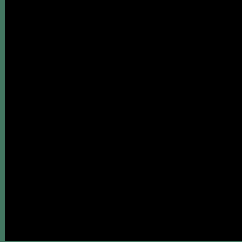
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2500, 0.2768, 0.3814

Background



This preview shows how black text looks on a background with the Yxy color 15.2500, 0.2768, 0.3814.



This preview shows how white text looks on a background with the Yxy color 15.2500, 0.2768, 0.3814.

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

15.2500, 0.2768, 0.3814

Protanopia

15.0579, 0.3436, 0.3646

Deuteranopia

15.1608, 0.3439, 0.3391



Tritanopia

15.1725, 0.2565, 0.3090

Trichromacy



Original Color

15.2500, 0.2768, 0.3814

Protanomaly

14.9200, 0.3160, 0.3713

Deuteranomaly

14.8775, 0.3156, 0.3529

Tritanomaly

15.0453, 0.2633, 0.3334

Monochromacy



Original Color

15.2500, 0.2768, 0.3814

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.7691, 0.2972, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2500, 0.2768, 0.3814 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(67, 119, 97)` looks like.

```
.text, #text, p{  
    color:rgb(67, 119, 97)  
}
```

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(67, 119, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 119, 97) }
```

Border

The CSS property to change the border of an element to Yxy 15.2500, 0.2768, 0.3814 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(67, 119, 97) }
```

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

```
.border{ border-color:rgb(67, 119, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 119, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 119, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 119, 97);  
box-shadow:4px 4px 4px 4px rgb(67, 119,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2500, 0.2768, 0.3814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 119, 97) }
```

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

```
.background{ background-color: rgb(67, 119,  
97) }
```

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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