

Converting Colors

$Y_{xy}(15.4949, 0.3826, 0.2535)$

Have a look what the booklet for
Yxy(15.4949, 0.3826, 0.2535)
contains.

Yxy(15.5242, 0.3823, 0.2543)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.5242, 0.3823, 0.2543)

Conversions

Conversions Part 1

Format	Color
Hex	AB4D80
RGB	171, 77, 128
RGB Percent	67%, 30%, 50%
CMY	0.3296, 0.6979, 0.4981
CMYK	0.00, 0.55, 0.25, 0.33
HSL	327°, 38%, 49%
HSV	327°, 55%, 67%
XYZ	23.3382, 15.5242, 22.1844
YIQ	110.9200, 39.6530, 35.7890

Conversions

Conversions Part 2

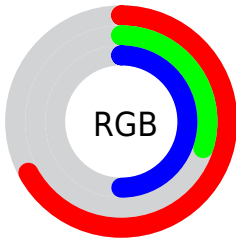
Format	Color
R_{YB}	171, 77, 128
Decimal	11226496
CIE Lab	46.34, 44.37, -10.20
CIE LCh	46, 45.530, 347.059
Yxy	15.5242, 0.3823, 0.2543
Android (android.graphics.Color)	4289416576 (0xFFAB4D80)
YUV	110.9200, 8.4204, 52.6902
Hunter-Lab	39.4008, 36.7793, -5.8024

Details

The Yxy color **15.5242, 0.3823, 0.2543** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **32.0477, 0.2768, 0.4222**, and the grayscale version is **15.8411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9595, 0.3665, 0.2710**, and **4.8903, 0.4114, 0.2256** is the 20% darker color. If you saturate the color by 10%, you get **13.2394, 0.4017, 0.2440**, and if you desaturate by 10%, it is **18.4552, 0.3649, 0.2669**.

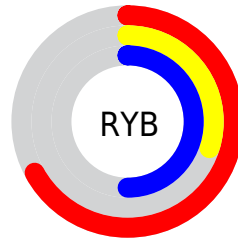
Distribution



Red (67%)

Green (30%)

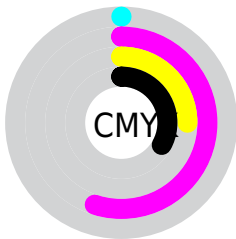
Blue (50%)



Red (67%)

Yellow (30%)

Blue (50%)

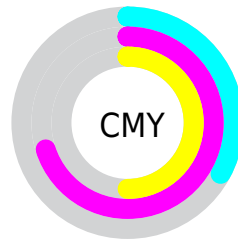


Cyan (0%)

Magenta (55%)

Yellow (25%)

Black (33%)



Cyan (33%)


Magenta (70%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5242, 0.3823, 0.2543 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 15.5242, 0.3823, 0.2543 by changing the saturation by 10% instead.


 15.5242, 0.3823,
0.2543


 15.5242, 0.3823,
0.2543


226.5175, 0.3424,
0.2961

 9.1881, 0.3944,
0.2421


 35.7702, 0.3664,
0.2707


 4.8641, 0.4115,
0.2253


 50.4489, 0.3608,
0.2765

 2.1677, 0.4373,
0.2008

 68.6772, 0.3563,
0.2812

 0.7023, 0.4819,
0.1599

 90.8396, 0.3526,
0.2852

 0.0000, 0.7196,
0.0000

 117.3204, 0.3495,
0.2885

 0.0000, 0.0000,
0.0000

148.5041, 0.3468,

0.2914

184.7750, 0.3445,
0.2939

■ 15.5242, 0.3823,
0.2543

■ 15.5242, 0.3823,
0.2543

■ 13.2394, 0.4017,
0.2440

■ 18.4552, 0.3649,
0.2669

■ 11.5478, 0.4227,
0.2371

■ 22.0753, 0.3498,
0.2808

■ 10.3916, 0.4444,
0.2347

■ 26.4265, 0.3368,
0.2950

■ 9.6991, 0.4660,
0.2376

■ 31.5468, 0.3258,
0.3091

■ 9.4396, 0.4769,
0.2401

■ 37.4713, 0.3167,
0.3226

■ 44.2332, 0.3090,
0.3354

■ 51.8637, 0.3027,
0.3472

■ 60.3922, 0.2974,
0.3582

■ 69.8472, 0.2931,
0.3683

Harmonies

Analogous

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



15.5242, 0.2885, 0.2137



15.5242, 0.3823, 0.2543



15.5242, 0.4627, 0.3103

Triad

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



15.5242, 0.3823, 0.2543



15.5242, 0.3988, 0.4890



15.5242, 0.1602, 0.2435

Complementary

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



15.5242, 0.3823, 0.2543



32.0477, 0.2768, 0.4222

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.



15.5242, 0.1801, 0.3219



15.5242, 0.3823, 0.2543



15.5242, 0.3146, 0.4924

Square

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



15.5242, 0.3823, 0.2543



15.5242, 0.4655, 0.4380



15.5242, 0.2343, 0.4236



15.5242, 0.1721, 0.2034

Rectangle

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



15.5242, 0.3823, 0.2543



15.5242, 0.4896, 0.3521



15.5242, 0.2343, 0.4236



15.5242, 0.1631, 0.2654

Sweetspot

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



15.5250, 0.3823, 0.2543



55.2103, 0.3272, 0.3072



12.1953, 0.2530, 0.1748



11.8881, 0.3293, 0.3044



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



15.5250, 0.3823, 0.2543



22.9582, 0.4063, 0.2421



14.5719, 0.4640, 0.3226



8.0853, 0.3205, 0.3168



7.1301, 0.4749, 0.2390



0.2092, 0.4167, 0.2069

Inverse Universe

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



15.5250, 0.3823, 0.2543



22.9582, 0.4063, 0.2421



33.4544, 0.2469, 0.3367



8.0853, 0.3205, 0.3168



7.1301, 0.4749, 0.2390



0.2092, 0.4167, 0.2069

Previews

White Background



This preview shows how the Yxy color 15.5242, 0.3823, 0.2543 looks on a white background.

Color Contrast Check

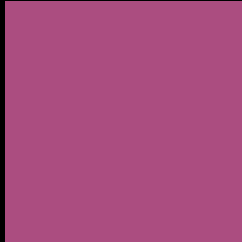
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5242, 0.3823, 0.2543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

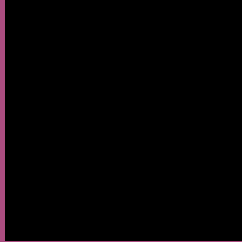
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5242, 0.3823, 0.2543

Background



This preview shows how black text looks on a background with the Yxy color 15.5242, 0.3823, 0.2543.



This preview shows how white text looks on a background with the Yxy color 15.5242, 0.3823, 0.2543.

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

15.5242, 0.3823, 0.2543

Protanopia

15.7360, 0.2550, 0.2506

Deuteranopia

15.5903, 0.3035, 0.2975



Tritanopia

15.5772, 0.4376, 0.3202

Trichromacy



Original Color

15.5242, 0.3823, 0.2543

Protanomaly

14.8624, 0.2935, 0.2477

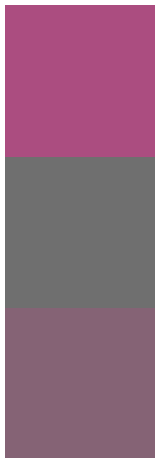
Deuteranomaly

14.9973, 0.3296, 0.2766

Tritanomaly

15.4691, 0.4185, 0.2959

Monochromacy



Original Color

15.5242, 0.3823, 0.2543

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.1946, 0.3375, 0.2957

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5242, 0.3823, 0.2543 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(171, 77, 128)` looks like.

```
.text, #text, p{  
    color:rgb(171, 77, 128)  
}
```

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(171, 77, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 77, 128) }
```

Border

The CSS property to change the border of an element to Yxy 15.5242, 0.3823, 0.2543 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(171, 77, 128) }
```

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

```
.border{ border-color:rgb(171, 77, 128) }
```

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

Here you see how a box with a 4 pixel rgb(171, 77, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 77, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 77, 128);  
box-shadow:4px 4px 4px 4px rgb(171, 77,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5242, 0.3823, 0.2543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 77, 128) }
```

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

```
.background{ background-color: rgb(171, 77,  
128) }
```

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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