

Converting Colors

$Y_{xy}(51.6870, 0.3844, 0.3157)$

Have a look what the booklet for
Yxy(51.6870, 0.3844, 0.3157)
contains.

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Color

Yxy(51.7871, 0.3839, 0.3155)

Conversions

Conversions Part 1

Format	Color
Hex	FFA6B3
RGB	255, 166, 179
RGB Percent	100%, 65%, 70%
CMY	0.0000, 0.3490, 0.2979
CMYK	0.00, 0.35, 0.30, 0.00
HSL	351°, 100%, 83%
HSV	351°, 35%, 100%
XYZ	63.0145, 51.7871, 49.3414
YIQ	194.0930, 48.8710, 22.9110

Conversions

Conversions Part 2

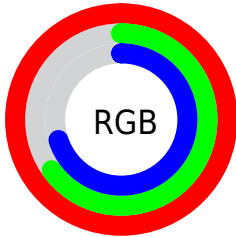
Format	Color
R_{YB}	255, 166, 179
Decimal	16754355
CIE _{Lab}	77.15, 34.46, 6.99
CIE _{LCh}	77, 35.163, 11.465
Yxy	51.7871, 0.3839, 0.3155
Android (android.graphics.Color)	4294944435 (0xFFFFA6B3)
YUV	194.0930, -7.4408, 53.4154
Hunter-Lab	71.9633, 30.3675, 9.7223

Details

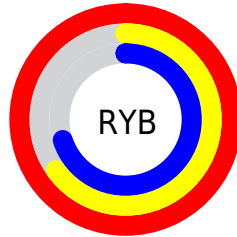
The Yxy color **51.7871, 0.3839, 0.3155** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **86.0333, 0.2694, 0.3434**, and the grayscale version is **54.0324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5007, 0.3275, 0.3162**, and **25.0524, 0.4037, 0.3118** is the 20% darker color. If you saturate the color by 10%, you get **42.6070, 0.4156, 0.3118**, and if you desaturate by 10%, it is **62.9490, 0.3578, 0.3195**.

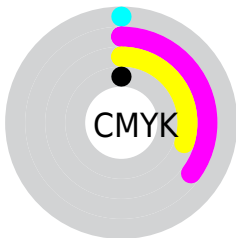
Distribution



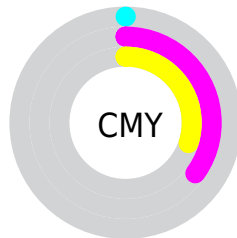
- Red (100%)
- Green (65%)
- Blue (70%)



- Red (100%)
- Yellow (65%)
- Blue (70%)



- Cyan (0%)
- Magenta (35%)
- Yellow (30%)
- Black (0%)





- Cyan (0%)
- Magenta (35%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7871, 0.3839, 0.3155 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 51.7871, 0.3839, 0.3155 by changing the saturation by 10% instead.


 51.7871, 0.3839,
0.3155

 51.7871, 0.3839,
0.3155

393.6141, 0.3487,
0.3227

 36.8354, 0.3925,
0.3136


 92.8172, 0.3712,
0.3182

 25.0801, 0.4035,
0.3110


 119.6644, 0.3664,
0.3192

 16.1367, 0.4180,
0.3076


151.2455, 0.3623,
0.3200

 9.6210, 0.4378,
0.3025

187.9450, 0.3588,
0.3207

 5.1484, 0.4665,
0.2948

230.1472, 0.3558,
0.3214

 2.3346, 0.5114,
0.2814

278.2365, 0.3531,

 0.7919, 0.6122,

0.3219

0.2635

332.5974, 0.3508,
0.3223

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

51.7871, 0.3839,
0.3155

51.7871, 0.3839,
0.3155

42.6070, 0.4156,
0.3118

62.9490, 0.3578,
0.3195

35.2855, 0.4532,
0.3088

76.1914, 0.3367,
0.3235

29.6975, 0.4955,
0.3074

91.6156, 0.3198,
0.3273

25.6990, 0.5395,
0.3081

99.9991, 0.3127,
0.3290

■ 23.1229, 0.5803,
0.3116

■ 21.7643, 0.6118,
0.3176

■ 21.3949, 0.6235,
0.3208

Harmonies

Analogous

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



51.7871, 0.3411, 0.2825



51.7871, 0.3839, 0.3155



51.7871, 0.4063, 0.3533

Triad

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



51.7871, 0.3839, 0.3155



51.7871, 0.3269, 0.4114



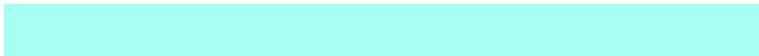
51.7871, 0.2304, 0.2638

Complementary

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



51.7871, 0.3839, 0.3155



86.0333, 0.2694, 0.3434

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.



51.7871, 0.2274, 0.2933



51.7871, 0.3839, 0.3155



51.7871, 0.2808, 0.3832

Square

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



51.7871, 0.3839, 0.3155



51.7871, 0.3712, 0.4116



51.7871, 0.2450, 0.3374



51.7871, 0.2533, 0.2530

Rectangle

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



51.7871, 0.3839, 0.3155



51.7871, 0.4058, 0.3776



51.7871, 0.2450, 0.3374



51.7871, 0.2271, 0.2716

Sweetspot

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



51.7896, 0.3839, 0.3155



83.4723, 0.3280, 0.3254



53.3088, 0.3060, 0.2393



17.4080, 0.3304, 0.3248



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



51.7896, 0.3839, 0.3155



45.0738, 0.4058, 0.3128



64.0139, 0.3849, 0.3617



18.0304, 0.3271, 0.3255



11.1927, 0.6205, 0.3192



1.1021, 0.5939, 0.3045

Inverse Universe

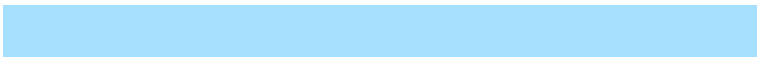
The Inverse Universe completely reimagines the original color for something new.



51.7896, 0.3839, 0.3155



45.0738, 0.4058, 0.3128



68.5573, 0.2585, 0.2935



18.0304, 0.3271, 0.3255



11.1927, 0.6205, 0.3192



1.1021, 0.5939, 0.3045

Previews

White Background



This preview shows how the Yxy color 51.7871, 0.3839, 0.3155 looks on a white background.

Color Contrast Check

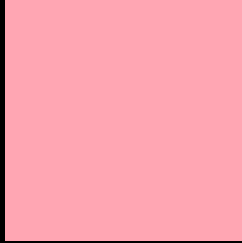
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 51.7871, 0.3839, 0.3155 looks on a black 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 ✓ Pass

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

Yxy 51.7871, 0.3839, 0.3155

Background



This preview shows how black text looks on a background with the Yxy color 51.7871, 0.3839, 0.3155.



This preview shows how white text looks on a background with the Yxy color 51.7871, 0.3839, 0.3155.

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

51.7871, 0.3839, 0.3155

Protanopia

52.1020, 0.3145, 0.3265

Deuteranopia

51.8626, 0.3461, 0.3386



Tritanopia

51.7871, 0.3839, 0.3155

Trichromacy



Original Color

51.7871, 0.3839, 0.3155



Protanomaly

51.2345, 0.3382, 0.3220



Deuteranomaly

51.4416, 0.3602, 0.3291



Tritanomaly

51.7871, 0.3839, 0.3155

Monochromacy



Original Color

51.7871, 0.3839, 0.3155



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

52.5540, 0.3361, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7871, 0.3839, 0.3155 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(255, 166, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 179)  
}
```

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(255, 166, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 179) }
```

Border

The CSS property to change the border of an element to Yxy 51.7871, 0.3839, 0.3155 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(255, 166, 179) }
```

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

```
.border{ border-color:rgb(255, 166, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7871, 0.3839, 0.3155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 179) }
```

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

```
.background{ background-color: rgb(255,  
166, 179) }
```

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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