

# Converting Colors

$Y_{xy}(55.0220, 0.4081, 0.3218)$

Have a look what the booklet for  
Yxy(55.0220, 0.4081, 0.3218)  
contains.

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# Color

**Yxy(51.1488, 0.3910, 0.3219)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA5AC
RGB	255, 165, 172
RGB Percent	100%, 65%, 67%
CMY	0.0002, 0.3528, 0.3256
CMYK	0.00, 0.35, 0.33, 0.00
HSL	355°, 100%, 82%
HSV	355°, 35%, 100%
XYZ	62.1286, 51.1488, 45.6192
YIQ	192.7080, 51.3930, 21.2570

# Conversions

## Conversions Part 2

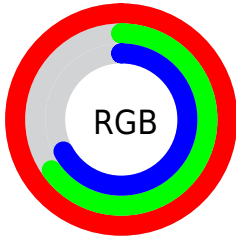
Format	Color
R <sub>Y</sub> B	255, 165, 172
Decimal	16754092
CIE Lab	76.77, 34.06, 10.29
CIE LCh	77, 35.585, 16.810
Yxy	51.1488, 0.3910, 0.3219
Android (android.graphics.Color)	4294944172 (0xFFFFA5AC)
YUV	192.7080, -10.2090, 54.6301
Hunter-Lab	71.5184, 29.9071, 12.2438

# Details

The Yxy color **51.1488, 0.3910, 0.3219** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **86.2731, 0.2661, 0.3365**, and the grayscale version is **53.1878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5190, 0.3331, 0.3231**, and **24.6802, 0.4124, 0.3185** is the 20% darker color. If you saturate the color by 10%, you get **42.0252, 0.4258, 0.3200**, and if you desaturate by 10%, it is **62.2706, 0.3624, 0.3240**.

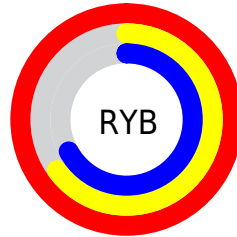
# Distribution



Red (100%)

Green (65%)

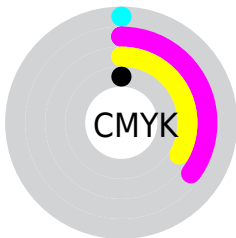
Blue (67%)



Red (100%)

Yellow (65%)

Blue (67%)

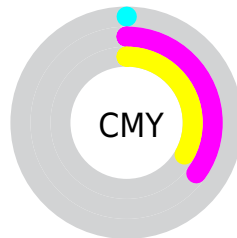


Cyan (0%)

Magenta (35%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (35%)


Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1488, 0.3910, 0.3219 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 51.1488, 0.3910, 0.3219 by changing the saturation by 10% instead.




 51.1488, 0.3910,  
0.3219

 51.1488, 0.3910,  
0.3219


391.1416, 0.3521,  
0.3263

 36.3270, 0.4006,  
0.3206


 91.8747, 0.3770,  
0.3237

 24.6869, 0.4128,  
0.3187


 118.5476, 0.3717,  
0.3243

 15.8439, 0.4288,  
0.3161


149.9397, 0.3672,  
0.3248

 9.4138, 0.4509,  
0.3121

186.4354, 0.3633,  
0.3252

 5.0120, 0.4828,  
0.3054

228.4190, 0.3600,  
0.3255

 2.2543, 0.5325,  
0.2930

276.2750, 0.3570,

 0.7494, 0.6750,

0.3258

0.2879

330.3877, 0.3544,  
0.3261

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

51.1488, 0.3910,  
0.3219

51.1488, 0.3910,  
0.3219

42.0252, 0.4258,  
0.3200

62.2706, 0.3624,  
0.3240

34.7745, 0.4668,  
0.3187

75.4913, 0.3394,  
0.3260

29.2686, 0.5124,  
0.3182

90.9140, 0.3209,  
0.3280

25.3607, 0.5583,  
0.3191

99.9919, 0.3127,  
0.3290

■ 22.8795, 0.5983,  
0.3215

■ 21.6143, 0.6258,  
0.3251

■ 21.3014, 0.6339,  
0.3266

# Harmonies

## Analogous

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



51.1488, 0.3502, 0.2871



51.1488, 0.3910, 0.3219



51.1488, 0.4090, 0.3603

# Triad

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



51.1488, 0.3910, 0.3219



51.1488, 0.3185, 0.4097



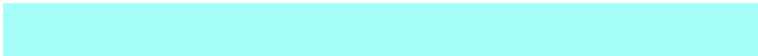
51.1488, 0.2319, 0.2594

# Complementary

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



51.1488, 0.3910, 0.3219



86.2731, 0.2661, 0.3365

# 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.



51.1488, 0.2251, 0.2860



51.1488, 0.3910, 0.3219



51.1488, 0.2727, 0.3766

# Square

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



51.1488, 0.3910, 0.3219



51.1488, 0.3648, 0.4150



51.1488, 0.2393, 0.3289



51.1488, 0.2584, 0.2520



# Rectangle

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



51.1488, 0.3910, 0.3219



51.1488, 0.4050, 0.3843



51.1488, 0.2393, 0.3289



51.1488, 0.2273, 0.2662

# Sweetspot

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



51.1513, 0.3910, 0.3219



81.8346, 0.3310, 0.3269



53.9972, 0.3108, 0.2396



17.0775, 0.3336, 0.3266



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.



51.1513, 0.3910, 0.3219



44.8149, 0.4137, 0.3206



66.4459, 0.3837, 0.3681



18.0099, 0.3282, 0.3272



11.1427, 0.6320, 0.3255



1.0924, 0.6146, 0.3159



# Inverse Universe

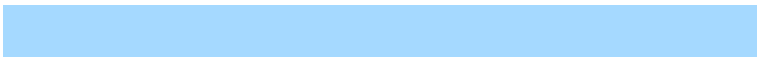
The Inverse Universe completely reimagines the original color for something new.



51.1513, 0.3910, 0.3219



44.8149, 0.4137, 0.3206



65.0976, 0.2570, 0.2859



18.0099, 0.3282, 0.3272



11.1427, 0.6320, 0.3255

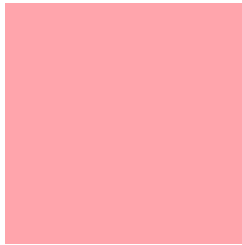


1.0924, 0.6146, 0.3159



# Previews

## White Background



This preview shows how the Yxy color 51.1488, 0.3910, 0.3219 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 51.1488, 0.3910, 0.3219 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

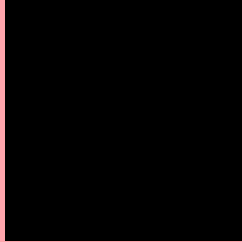
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.1488, 0.3910, 0.3219**

## Background



This preview shows how black text looks on a background with the Yxy color 51.1488, 0.3910, 0.3219.



This preview shows how white text looks on a background with the Yxy color 51.1488, 0.3910, 0.3219.

# 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

51.1488, 0.3910, 0.3219

### Protanopia

51.3673, 0.3199, 0.3340

### Deuteranopia

51.3305, 0.3531, 0.3458



## Tritanopia

50.9852, 0.3865, 0.3155

# Trichromacy



## Original Color

51.1488, 0.3910, 0.3219



## Protanomaly

50.5367, 0.3443, 0.3291



## Deuteranomaly

50.7759, 0.3667, 0.3360



## Tritanomaly

50.9061, 0.3884, 0.3176

# Monochromacy



## Original Color

51.1488, 0.3910, 0.3219



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

51.9687, 0.3396, 0.3267

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.1488, 0.3910, 0.3219 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, 165, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 172)  
}
```

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, 165, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 51.1488, 0.3910, 0.3219 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, 165, 172) }
```

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

```
.border{ border-color:rgb(255, 165, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 165, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.1488, 0.3910, 0.3219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 165, 172) }
```

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

```
.background{ background-color: rgb(255,  
165, 172) }
```

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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