

# Converting Colors

$Y_{xy}(58.5295, 0.3969, 0.3256)$

Have a look what the booklet for  
Yxy(58.5295, 0.3969, 0.3256)  
contains.

<b>Yxy(55.1343, 0.3821, 0.3261)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(55.1343, 0.3821, 0.3261)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAFB2
RGB	255, 175, 178
RGB Percent	100%, 69%, 70%
CMY	0.0000, 0.3137, 0.3021
CMYK	0.00, 0.31, 0.30, 0.00
HSL	358°, 100%, 84%
HSV	358°, 31%, 100%
XYZ	64.6023, 55.1343, 49.3351
YIQ	199.2620, 46.7170, 17.8930

# Conversions

## Conversions Part 2

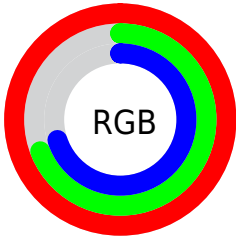
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 175, 178
Decimal	16756658
CIE Lab	79.12, 29.62, 10.38
CIE LCh	79, 31.389, 19.319
Yxy	55.1343, 0.3821, 0.3261
Android (android.graphics.Color)	4294946738 (0xFFFFAFB2)
YUV	199.2620, -10.4822, 48.8822
Hunter-Lab	74.2525, 25.3596, 12.5830

# Details

The Yxy color **55.1343, 0.3821, 0.3261** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **87.6662, 0.2690, 0.3321**, and the grayscale version is **57.3264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3523, 0.3273, 0.3261**, and **27.2701, 0.4018, 0.3252** is the 20% darker color. If you saturate the color by 10%, you get **45.2301, 0.4160, 0.3252**, and if you desaturate by 10%, it is **67.0945, 0.3546, 0.3271**.

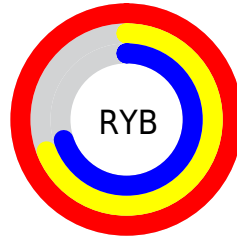
# Distribution



Red (100%)

Green (69%)

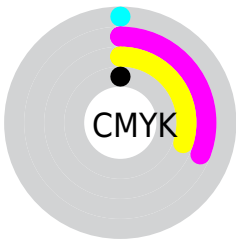
Blue (70%)



Red (100%)

Yellow (69%)

Blue (70%)

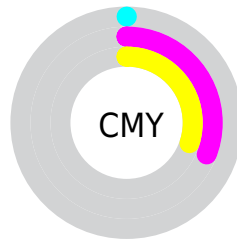


Cyan (0%)

Magenta (31%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (31%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1343, 0.3821, 0.3261 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 55.1343, 0.3821, 0.3261 by changing the saturation by 10% instead.




 55.1343, 0.3821,  
0.3261

 55.1343, 0.3821,  
0.3261


406.4208, 0.3481,  
0.3283

 39.5093, 0.3904,  
0.3254


 97.7377, 0.3699,  
0.3270

 27.1561, 0.4008,  
0.3243


125.4848, 0.3653,  
0.3273

 17.6905, 0.4145,  
0.3228


158.0415, 0.3613,  
0.3276

 10.7280, 0.4332,  
0.3203

195.7920, 0.3579,  
0.3278

 5.8843, 0.4598,  
0.3162

239.1208, 0.3550,  
0.3279

 2.7748, 0.5009,  
0.3083

288.4123, 0.3524,

 1.0153, 0.5895,

0.3281

0.3002

344.0508, 0.3501,  
0.3282

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

55.1343, 0.3821,  
0.3261

55.1343, 0.3821,  
0.3261

45.2301, 0.4160,  
0.3252

67.0945, 0.3546,  
0.3271

37.2588, 0.4564,  
0.3245

81.2090, 0.3325,  
0.3280

31.0964, 0.5023,  
0.3243

97.5793, 0.3148,  
0.3289

26.6015, 0.5498,  
0.3246

99.9999, 0.3127,  
0.3290

■ 23.6114, 0.5926,  
0.3256

■ 21.9310, 0.6234,  
0.3273

■ 21.2805, 0.6375,  
0.3285

# Harmonies

## Analogous

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



55.1343, 0.3485, 0.2949



55.1343, 0.3821, 0.3261



55.1343, 0.3957, 0.3597

# Triad

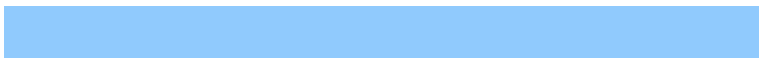
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



55.1343, 0.3821, 0.3261



55.1343, 0.3147, 0.3961



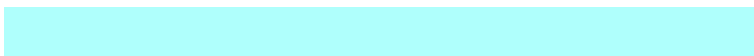
55.1343, 0.2437, 0.2676

# Complementary

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



55.1343, 0.3821, 0.3261



87.6662, 0.2690, 0.3321

# 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.



55.1343, 0.2363, 0.2898



55.1343, 0.3821, 0.3261



55.1343, 0.2755, 0.3665

# Square

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



55.1343, 0.3821, 0.3261



55.1343, 0.3550, 0.4034



55.1343, 0.2474, 0.3259



55.1343, 0.2685, 0.2620



# Rectangle

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



55.1343, 0.3821, 0.3261



55.1343, 0.3912, 0.3799



55.1343, 0.2474, 0.3259



55.1343, 0.2392, 0.2732

# Sweetspot

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



55.1369, 0.3821, 0.3261



84.8786, 0.3279, 0.3282



58.3935, 0.3132, 0.2500



17.6818, 0.3307, 0.3281



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.



55.1369, 0.3821, 0.3261



48.3449, 0.4038, 0.3255



70.9469, 0.3732, 0.3663



17.9979, 0.3289, 0.3282



11.1243, 0.6364, 0.3279



1.0868, 0.6276, 0.3231



# Inverse Universe

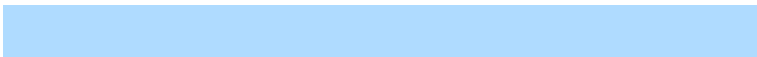
The Inverse Universe completely reimagines the original color for something new.



55.1369, 0.3821, 0.3261



48.3449, 0.4038, 0.3255



67.0007, 0.2628, 0.2883



17.9979, 0.3289, 0.3282



11.1243, 0.6364, 0.3279



1.0868, 0.6276, 0.3231



# Previews

## White Background



This preview shows how the Yxy color 55.1343, 0.3821, 0.3261 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

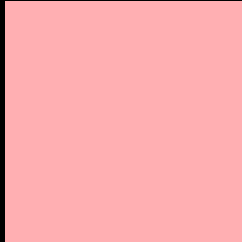
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.1343, 0.3821, 0.3261 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

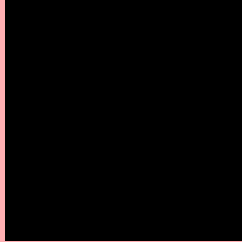
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.1343, 0.3821, 0.3261**

## Background



This preview shows how black text looks on a background with the Yxy color 55.1343, 0.3821, 0.3261.

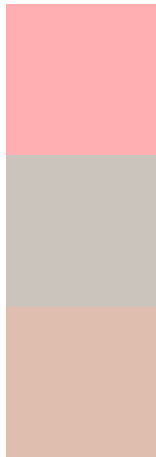


This preview shows how white text looks on a background with the Yxy color 55.1343, 0.3821, 0.3261.

# 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

55.1343, 0.3821, 0.3261

### Protanopia

55.7105, 0.3228, 0.3375

### Deuteranopia

55.1783, 0.3528, 0.3453



## Tritanopia

55.1200, 0.3741, 0.3156

# Trichromacy



## Original Color

55.1343, 0.3821, 0.3261



## Protanomaly

54.8414, 0.3430, 0.3326



## Deuteranomaly

55.0777, 0.3636, 0.3381



## Tritanomaly

54.9928, 0.3769, 0.3187

# Monochromacy



## Original Color

55.1343, 0.3821, 0.3261



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

55.6486, 0.3361, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.1343, 0.3821, 0.3261 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, 175, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 178)  
}
```

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, 175, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 55.1343, 0.3821, 0.3261 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, 175, 178) }
```

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

```
.border{ border-color:rgb(255, 175, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 175, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.1343, 0.3821, 0.3261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 178) }
```

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

```
.background{ background-color: rgb(255,  
175, 178) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor