

# Converting Colors

$Y_{xy}(49.4699, 0.3901, 0.3329)$

Have a look what the booklet for  
Yxy(49.4699, 0.3901, 0.3329)  
contains.

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# Color

**Yxy(49.3293, 0.3903, 0.3325)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F5A6A3
RGB	245, 166, 163
RGB Percent	96%, 65%, 64%
CMY	0.0392, 0.3490, 0.3607
CMYK	0.00, 0.32, 0.33, 0.04
HSL	2°, 80%, 80%
HSV	2°, 33%, 96%
XYZ	57.9044, 49.3293, 41.1251
YIQ	189.2790, 48.0470, 15.8150

# Conversions

## Conversions Part 2

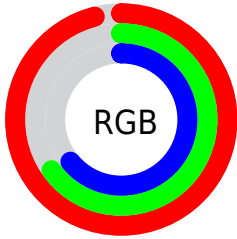
Format	Color
R <sub>Y</sub> B	245, 166, 163
Decimal	16098979
CIE Lab	75.66, 28.80, 13.46
CIE LCh	76, 31.786, 25.046
Yxy	49.3293, 0.3903, 0.3325
Android (android.graphics.Color)	4294289059 (0xFFF5A6A3)
YUV	189.2790, -12.9555, 48.8673
Hunter-Lab	70.2348, 24.2517, 14.4479

# Details

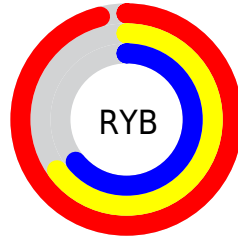
The Yxy color **49.3293, 0.3903, 0.3325** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **77.8901, 0.2647, 0.3255**, and the grayscale version is **51.1137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5645, 0.3393, 0.3331**, and **23.5227, 0.4132, 0.3321** is the 20% darker color. If you saturate the color by 10%, you get **40.7275, 0.4260, 0.3336**, and if you desaturate by 10%, it is **59.6810, 0.3610, 0.3314**.

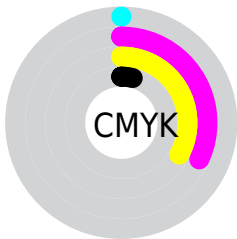
# Distribution



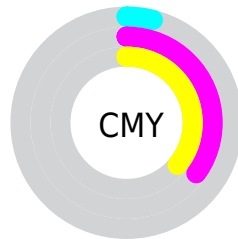
- Red (96%)
- Green (65%)
- Blue (64%)



- Red (96%)
- Yellow (65%)
- Blue (64%)



- Cyan (0%)
- Magenta (32%)
- Yellow (33%)
- Black (4%)




- Cyan (4%)
- Magenta (35%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3293, 0.3903, 0.3325 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 49.3293, 0.3903, 0.3325 by changing the saturation by 10% instead.





 49.3293, 0.3903,  
0.3325


 49.3293, 0.3903,  
0.3325


384.0373, 0.3515,  
0.3318

 34.8808, 0.3999,  
0.3323


 89.1803, 0.3762,  
0.3325

 23.5710, 0.4123,  
0.3320


 115.3516, 0.3709,  
0.3324

 15.0157, 0.4286,  
0.3312


146.1993, 0.3664,  
0.3323

 8.8304, 0.4511,  
0.3295

182.1078, 0.3626,  
0.3322

 4.6307, 0.4838,  
0.3258

223.4614, 0.3593,  
0.3321

 2.0323, 0.5353,  
0.3171

270.6446, 0.3563,

 0.6261, 0.6888,

0.3320

0.3112

324.0418, 0.3538,  
0.3319

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

49.3293, 0.3903,  
0.3325

49.3293, 0.3903,  
0.3325

40.7275, 0.4260,  
0.3336

59.6810, 0.3610,  
0.3314

33.7723, 0.4680,  
0.3344

71.8643, 0.3373,  
0.3303

28.3608, 0.5147,  
0.3349

85.9643, 0.3184,  
0.3293

24.3753, 0.5616,  
0.3347

98.1528, 0.3066,  
0.3290

■ 21.6813, 0.6019,  
0.3337

■ 20.1188, 0.6288,  
0.3322

■ 19.6069, 0.6382,  
0.3314

# Harmonies

## Analogous

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



49.3293, 0.3582, 0.2990



49.3293, 0.3903, 0.3325



49.3293, 0.3997, 0.3673

# Triad

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



49.3293, 0.3903, 0.3325



49.3293, 0.3063, 0.3955



49.3293, 0.2440, 0.2622

# Complementary

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



49.3293, 0.3903, 0.3325



77.8901, 0.2647, 0.3255

# 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.



49.3293, 0.2327, 0.2820



49.3293, 0.3903, 0.3325



49.3293, 0.2668, 0.3606

# Square

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



49.3293, 0.3903, 0.3325



49.3293, 0.3493, 0.4078



49.3293, 0.2405, 0.3176



49.3293, 0.2730, 0.2597



# Rectangle

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



49.3293, 0.3903, 0.3325



49.3293, 0.3918, 0.3875



49.3293, 0.2405, 0.3176



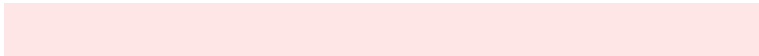
49.3293, 0.2382, 0.2668

# Sweetspot

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



49.3317, 0.3903, 0.3325



83.7788, 0.3303, 0.3300



52.0384, 0.3188, 0.2483



17.4813, 0.3331, 0.3301



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.



49.3317, 0.3903, 0.3325



47.5802, 0.4132, 0.3332



66.5572, 0.3757, 0.3759



16.5794, 0.3293, 0.3299



10.6054, 0.6375, 0.3320



0.9656, 0.6309, 0.3373

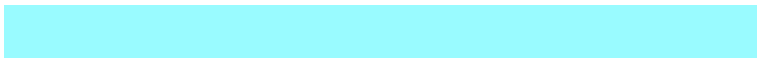


# Inverse Universe

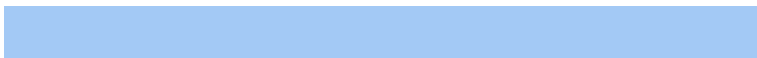
The Inverse Universe completely reimagines the original color for something new.



77.8901, 0.2647, 0.3255



83.1599, 0.2568, 0.3247



56.2816, 0.2584, 0.2768



18.6479, 0.2981, 0.3281



35.9345, 0.2216, 0.3176



3.1901, 0.2220, 0.3191



# Previews

## White Background



This preview shows how the Yxy color 49.3293, 0.3903, 0.3325 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

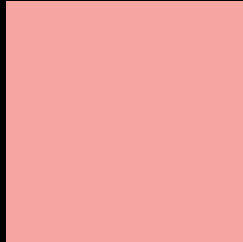
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.3293, 0.3903, 0.3325 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 49.3293, 0.3903, 0.3325**

## Background



This preview shows how black text looks on a background with the Yxy color 49.3293, 0.3903, 0.3325.



This preview shows how white text looks on a background with the Yxy color 49.3293, 0.3903, 0.3325.

# 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

49.3293, 0.3903, 0.3325

### Protanopia

49.4724, 0.3289, 0.3456

### Deuteranopia

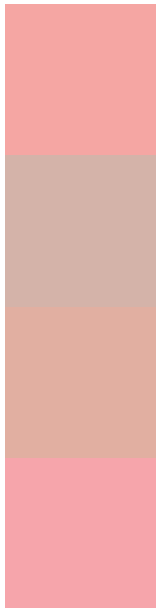
49.4767, 0.3599, 0.3533



## Tritanopia

49.2783, 0.3793, 0.3162

# Trichromacy



**Original Color**

49.3293, 0.3903, 0.3325

**Protanomaly**

49.1018, 0.3505, 0.3412

**Deuteranomaly**

49.2407, 0.3706, 0.3456

**Tritanomaly**

49.4434, 0.3838, 0.3227

# Monochromacy



**Original Color**

49.3293, 0.3903, 0.3325

**Achromatopsia**

50.8881, 0.3127, 0.3290

**Achromatomaly**

49.8983, 0.3380, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.3293, 0.3903, 0.3325 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(245, 166, 163)` looks like.

```
.text, #text, p{  
    color:rgb(245, 166, 163)  
}
```

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(245, 166, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 166, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 49.3293, 0.3903, 0.3325 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(245, 166, 163) }
```

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

```
.border{ border-color:rgb(245, 166, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 166, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 166, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 166, 163);  
box-shadow:4px 4px 4px 4px rgb(245, 166,  
163) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.3293, 0.3903, 0.3325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 166, 163) }
```

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

```
.background{ background-color: rgb(245,  
166, 163) }
```

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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