

# Converting Colors

$Y_{xy}(53.4763, 0.4210, 0.3902)$

Have a look what the booklet for  
Yxy(53.4763, 0.4210, 0.3902)  
contains.

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# Color

**Yxy(53.6654, 0.4208, 0.3900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6B47B
RGB	246, 180, 123
RGB Percent	96%, 71%, 48%
CMY	0.0353, 0.2941, 0.5178
CMYK	0.00, 0.27, 0.50, 0.04
HSL	28°, 87%, 72%
HSV	28°, 50%, 96%
XYZ	57.9036, 53.6654, 26.0346
YIQ	193.2360, 57.6330, -3.7350

# Conversions

## Conversions Part 2

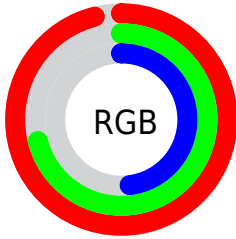
Format	Color
R <sub>Y</sub> B	246, 229, 123
Decimal	16168059
CIE Lab	78.27, 17.54, 38.39
CIE LCh	78, 42.211, 65.443
Yxy	53.6654, 0.4208, 0.3900
Android (android.graphics.Color)	4294358139 (0xFFFF6B47B)
YUV	193.2360, -34.6263, 46.2740
Hunter-Lab	73.2567, 12.8909, 30.2087

# Details

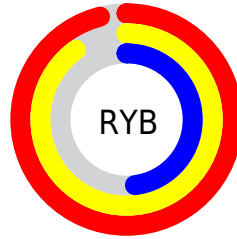
The Yxy color **53.6654, 0.4208, 0.3900** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.2477, 0.2333, 0.2564**, and the grayscale version is **53.6571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3855, 0.3650, 0.3895**, and **26.2246, 0.4483, 0.4014** is the 20% darker color. If you saturate the color by 10%, you get **48.0500, 0.4496, 0.4000**, and if you desaturate by 10%, it is **59.9482, 0.3939, 0.3782**.

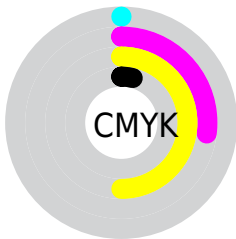
# Distribution



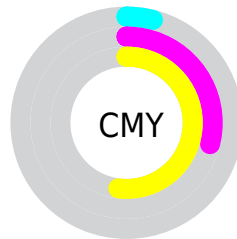
- Red (96%)
- Green (71%)
- Blue (48%)



- Red (96%)
- Yellow (90%)
- Blue (48%)



- Cyan (0%)
- Magenta (27%)
- Yellow (50%)
- Black (4%)




- Cyan (4%)
- Magenta (29%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.6654, 0.4208, 0.3900 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 53.6654, 0.4208, 0.3900 by changing the saturation by 10% instead.





 53.6654, 0.4208,  
0.3900

 53.6654, 0.4208,  
0.3900

400.8328, 0.3684,  
0.3630


 38.3342, 0.4330,  
0.3955


 95.5828, 0.4023,  
0.3811

 26.2422, 0.4481,  
0.4017

 122.9378, 0.3952,  
0.3775

 17.0049, 0.4671,  
0.4087

 155.0695, 0.3891,  
0.3743

 10.2380, 0.4912,  
0.4160

192.3623, 0.3839,  
0.3715

 5.5570, 0.5227,  
0.4224

235.2007, 0.3793,  
0.3690

 2.5777, 0.5710,  
0.4290

283.9690, 0.3752,

 0.9154, 0.6021,

0.3668

0.3979

339.0515, 0.3716,  
0.3648

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

53.6654, 0.4208,  
0.3900

53.6654, 0.4208,  
0.3900

48.0500, 0.4496,  
0.4000

59.9482, 0.3939,  
0.3782

43.0683, 0.4791,  
0.4068


66.9146, 0.3696,  
0.3656


38.6945, 0.5077,  
0.4092

74.5901, 0.3480,  
0.3529

34.8971, 0.5331,  
0.4062

82.9960, 0.3291,  
0.3406

 31.6375, 0.5542,  
0.3982

 92.1529, 0.3127,  
0.3290

 98.3347, 0.3072,  
0.3290

# Harmonies

## Analogous

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



53.6654, 0.4211, 0.3472



53.6654, 0.4208, 0.3900



53.6654, 0.3899, 0.4226

# Triad

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



53.6654, 0.4208, 0.3900



53.6654, 0.2398, 0.3501



53.6654, 0.2784, 0.2457

# Complementary

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



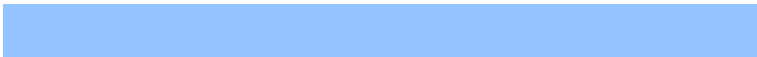
53.6654, 0.4208, 0.3900



47.2477, 0.2333, 0.2564

# 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.



53.6654, 0.2359, 0.2410



53.6654, 0.4208, 0.3900



53.6654, 0.2152, 0.2952

# Square

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



53.6654, 0.4208, 0.3900



53.6654, 0.2847, 0.4034



53.6654, 0.2141, 0.2571



53.6654, 0.3344, 0.2683



# Rectangle

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



53.6654, 0.4208, 0.3900



53.6654, 0.3577, 0.4316



53.6654, 0.2141, 0.2571



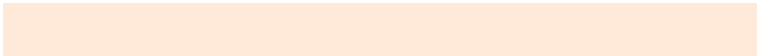
53.6654, 0.2622, 0.2420

# Sweetspot

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



53.6680, 0.4208, 0.3900



85.3764, 0.3383, 0.3467



37.4987, 0.3745, 0.2579



17.8657, 0.3423, 0.3493



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.



53.6680, 0.4208, 0.3900



52.0765, 0.4499, 0.4000



83.2608, 0.3889, 0.4454



17.7486, 0.3282, 0.3400



17.1596, 0.5515, 0.4003



1.7116, 0.5307, 0.4168



# Inverse Universe

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



47.2477, 0.2333, 0.2564



44.3582, 0.2187, 0.2384



26.5954, 0.2180, 0.1775



17.3992, 0.2980, 0.3177



12.6394, 0.1806, 0.1700



1.3165, 0.1865, 0.1915



# Previews

## White Background



This preview shows how the Yxy color 53.6654, 0.4208, 0.3900 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 53.6654, 0.4208, 0.3900 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

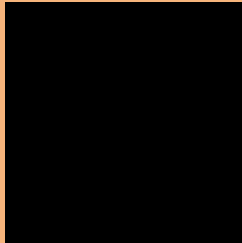
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.6654, 0.4208, 0.3900**

## Background



This preview shows how black text looks on a background with the Yxy color 53.6654, 0.4208, 0.3900.



This preview shows how white text looks on a background with the Yxy color 53.6654, 0.4208, 0.3900.

# 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

53.6654, 0.4208, 0.3900

### Protanopia

53.8437, 0.3776, 0.4085

### Deuteranopia

53.5955, 0.4081, 0.3992



## Tritanopia

53.5171, 0.3730, 0.3154

# Trichromacy



## Original Color

53.6654, 0.4208, 0.3900

## Protanomaly

53.5895, 0.3930, 0.4020

## Deuteranomaly

53.4493, 0.4128, 0.3961

## Tritanomaly

53.4083, 0.3915, 0.3432

# Monochromacy



## Original Color

53.6654, 0.4208, 0.3900

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

52.7906, 0.3492, 0.3532

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.6654, 0.4208, 0.3900 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(246, 180, 123)` looks like.

```
.text, #text, p{  
    color:rgb(246, 180, 123)  
}
```

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(246, 180, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 180, 123) }
```

## Border

The CSS property to change the border of an element to Yxy 53.6654, 0.4208, 0.3900 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(246, 180, 123) }
```

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

```
.border{ border-color:rgb(246, 180, 123) }
```

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

Here you see how a box with a 4 pixel rgb(246, 180, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 180, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 180, 123);  
box-shadow:4px 4px 4px 4px rgb(246, 180,  
123) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.6654, 0.4208, 0.3900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 180, 123) }
```

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

```
.background{ background-color: rgb(246,  
180, 123) }
```

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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