

# Converting Colors

$Y_{xy}(52.1900, 0.4045, 0.3512)$

Have a look what the booklet for  
Yxy(52.1900, 0.4045, 0.3512)  
contains.

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# Color

**Yxy(52.2486, 0.4047, 0.3517)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBAC97
RGB	251, 172, 151
RGB Percent	98%, 67%, 59%
CMY	0.0157, 0.3255, 0.4079
CMYK	0.00, 0.31, 0.40, 0.02
HSL	13°, 93%, 79%
HSV	13°, 40%, 98%
XYZ	60.1223, 52.2486, 36.1892
YIQ	193.2270, 53.8250, 10.2170

# Conversions

## Conversions Part 2

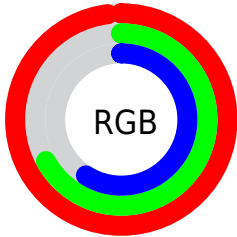
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 178, 151
Decimal	16493719
CIE Lab	77.43, 26.50, 22.55
CIE LCh	77, 34.791, 40.395
Yxy	52.2486, 0.4047, 0.3517
Android (android.graphics.Color)	4294683799 (0xFFFBAC97)
YUV	193.2270, -20.8179, 50.6669
Hunter-Lab	72.2832, 21.9736, 20.9141

# Details

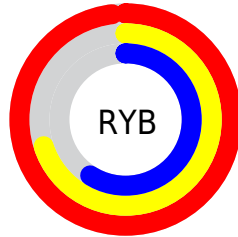
The Yxy color **52.2486, 0.4047, 0.3517** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **70.1301, 0.2538, 0.3045**, and the grayscale version is **53.5711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1546, 0.3473, 0.3523**, and **25.3202, 0.4298, 0.3552** is the 20% darker color. If you saturate the color by 10%, you get **44.5283, 0.4393, 0.3570**, and if you desaturate by 10%, it is **61.2734, 0.3750, 0.3459**.

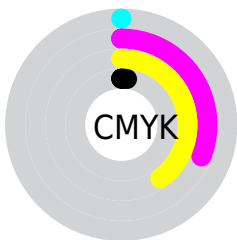
# Distribution



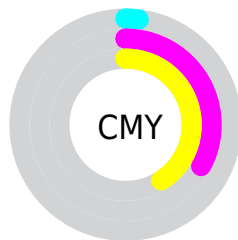
- Red (98%)
- Green (67%)
- Blue (59%)



- Red (98%)
- Yellow (70%)
- Blue (59%)



- Cyan (0%)
- Magenta (31%)
- Yellow (40%)
- Black (2%)




- Cyan (2%)
- Magenta (33%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2486, 0.4047, 0.3517 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 52.2486, 0.4047, 0.3517 by changing the saturation by 10% instead.





 52.2486, 0.4047,  
0.3517


 52.2486, 0.4047,  
0.3517


395.3956, 0.3592,  
0.3423

 37.2033, 0.4158,  
0.3534


 93.4978, 0.3883,  
0.3487

 25.3649, 0.4299,  
0.3553


 120.4704, 0.3821,  
0.3475

 16.3491, 0.4482,  
0.3573


152.1876, 0.3769,  
0.3464

 9.7715, 0.4728,  
0.3588

189.0337, 0.3723,  
0.3454

 5.2477, 0.5076,  
0.3590

231.3932, 0.3684,  
0.3445

 2.3933, 0.5640,  
0.3576

279.6504, 0.3649,

 0.8225, 0.6570,

0.3437

0.3430

334.1897, 0.3619,  
0.3430

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

52.2486, 0.4047,  
0.3517

52.2486, 0.4047,  
0.3517

44.5283, 0.4393,  
0.3570

61.2734, 0.3750,  
0.3459

38.0440, 0.4783,  
0.3609

71.6519, 0.3502,  
0.3399

32.7325, 0.5198,  
0.3625

83.4397, 0.3295,  
0.3342

28.5218, 0.5600,  
0.3609

96.6875, 0.3125,  
0.3289

■ 25.3310, 0.5940,  
0.3554

■ 99.2499, 0.3102,  
0.3290

■ 23.0615, 0.6182,  
0.3472

■ 23.0328, 0.6185,  
0.3471

# Harmonies

## Analogous

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



52.2486, 0.3817, 0.3144



52.2486, 0.4047, 0.3517



52.2486, 0.4005, 0.3867

# Triad

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



52.2486, 0.4047, 0.3517



52.2486, 0.2828, 0.3838



52.2486, 0.2529, 0.2541

# Complementary

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



52.2486, 0.4047, 0.3517



70.1301, 0.2538, 0.3045

# 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.



52.2486, 0.2309, 0.2654



52.2486, 0.4047, 0.3517



52.2486, 0.2469, 0.3391

# Square

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



52.2486, 0.4047, 0.3517



52.2486, 0.3284, 0.4107



52.2486, 0.2287, 0.2952



52.2486, 0.2916, 0.2605



# Rectangle

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



52.2486, 0.4047, 0.3517



52.2486, 0.3836, 0.4043



52.2486, 0.2287, 0.2952



52.2486, 0.2435, 0.2558

# Sweetspot

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



52.2511, 0.4047, 0.3517



83.7203, 0.3337, 0.3355



48.4093, 0.3344, 0.2480



17.5686, 0.3363, 0.3362



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.



52.2511, 0.4047, 0.3517



47.5055, 0.4327, 0.3561



74.4565, 0.3838, 0.4012



17.8161, 0.3289, 0.3341



12.2747, 0.6160, 0.3491



1.2827, 0.5940, 0.3665

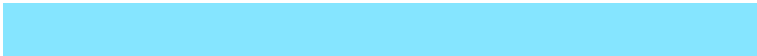


# Inverse Universe

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



70.1301, 0.2538, 0.3045



68.3676, 0.2435, 0.2986



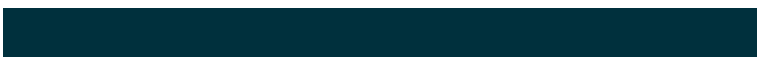
46.5887, 0.2444, 0.2438



18.9529, 0.2980, 0.3239



25.1712, 0.2055, 0.2599



2.4809, 0.2081, 0.2691



# Previews

## White Background



This preview shows how the Yxy color 52.2486, 0.4047, 0.3517 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

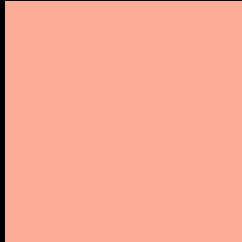
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.2486, 0.4047, 0.3517 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 52.2486, 0.4047, 0.3517**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.2486, 0.4047, 0.3517.



This preview shows how white text looks on a background with the Yxy color 52.2486, 0.4047, 0.3517.

# 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

52.2486, 0.4047, 0.3517

### Protanopia

52.3562, 0.3463, 0.3675

### Deuteranopia

52.4585, 0.3781, 0.3699



## Tritanopia

52.3714, 0.3815, 0.3165

# Trichromacy



## Original Color

52.2486, 0.4047, 0.3517



## Protanomaly

51.9309, 0.3667, 0.3611



## Deuteranomaly

52.3369, 0.3869, 0.3632



## Tritanomaly

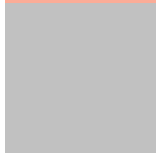
52.1232, 0.3907, 0.3292

# Monochromacy



## Original Color

52.2486, 0.4047, 0.3517



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

52.2084, 0.3433, 0.3374

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.2486, 0.4047, 0.3517 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(251, 172, 151)` looks like.

```
.text, #text, p{  
    color:rgb(251, 172, 151)  
}
```

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(251, 172, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 172, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 52.2486, 0.4047, 0.3517 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(251, 172, 151) }
```

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

```
.border{ border-color:rgb(251, 172, 151) }
```

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

Here you see how a box with a 4 pixel rgb(251, 172, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 172, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 172, 151);  
box-shadow:4px 4px 4px 4px rgb(251, 172,  
151) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.2486, 0.4047, 0.3517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 172, 151) }
```

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

```
.background{ background-color: rgb(251,  
172, 151) }
```

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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