

# Converting Colors

$Y_{xy}(58.2553, 0.4028, 0.3680)$

Have a look what the booklet for  
Yxy(58.2553, 0.4028, 0.3680)  
contains.

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# **Color**

**Yxy(58.3586, 0.4028, 0.3681)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEBA95
RGB	254, 186, 149
RGB Percent	100%, 73%, 58%
CMY	0.0039, 0.2706, 0.4158
CMYK	0.00, 0.27, 0.41, 0.00
HSL	21°, 98%, 79%
HSV	21°, 41%, 100%
XYZ	63.8599, 58.3586, 36.3215
YIQ	202.1140, 52.4050, 2.9090

# Conversions

## Conversions Part 2

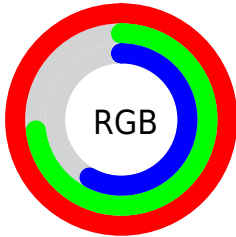
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	254, 206, 149
Decimal	16693909
CIE Lab	80.94, 20.09, 28.43
CIE LCh	81, 34.810, 54.750
Yxy	58.3586, 0.4028, 0.3681
Android (android.graphics.Color)	4294883989 (0xFFFEBA95)
YUV	202.1140, -26.1852, 45.5040
Hunter-Lab	76.3928, 15.5282, 25.2851

# Details

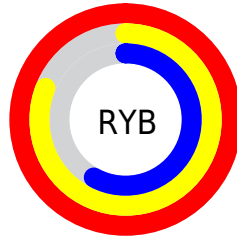
The Yxy color **58.3586, 0.4028, 0.3681** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.1661, 0.2489, 0.2854**, and the grayscale version is **59.2806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0761, 0.3460, 0.3679**, and **29.2590, 0.4253, 0.3760** is the 20% darker color. If you saturate the color by 10%, you get **51.1006, 0.4336, 0.3769**, and if you desaturate by 10%, it is **66.5969, 0.3756, 0.3584**.

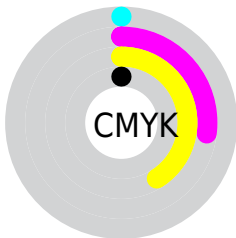
# Distribution



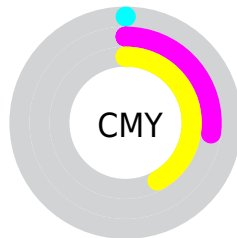
- Red (100%)
- Green (73%)
- Blue (58%)



- Red (100%)
- Yellow (81%)
- Blue (58%)



- Cyan (0%)
- Magenta (27%)
- Yellow (41%)
- Black (0%)




- Cyan (0%)
- Magenta (27%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3586, 0.4028, 0.3681 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 58.3586, 0.4028, 0.3681 by changing the saturation by 10% instead.




 58.3586, 0.4028,  
0.3681


 58.3586, 0.4028,  
0.3681


418.5208, 0.3592,  
0.3510

 42.0970, 0.4131,  
0.3716

 102.4449, 0.3874,  
0.3625

 29.1773, 0.4260,  
0.3757


 131.0384, 0.3815,  
0.3602

 19.2150, 0.4424,  
0.3803


164.5113, 0.3764,  
0.3582

 11.8257, 0.4640,  
0.3855

203.2480, 0.3720,  
0.3564

 6.6251, 0.4932,  
0.3906

247.6329, 0.3682,  
0.3548

 3.2288, 0.5379,  
0.3962

298.0504, 0.3649,

 1.2523, 0.6054,

0.3534

0.3946

354.8849, 0.3619,  
0.3522

0.1038, 0.8502,  
0.1498

0.0000, 0.0000,  
0.0000

58.3586, 0.4028,  
0.3681

58.3586, 0.4028,  
0.3681

51.1006, 0.4336,  
0.3769

66.5969, 0.3756,  
0.3584

44.7759, 0.4672,  
0.3839

75.8433, 0.3520,  
0.3486

39.3458, 0.5022,  
0.3877

86.1349, 0.3319,  
0.3391

34.7654, 0.5360,  
0.3871

97.5041, 0.3148,  
0.3302

■ 30.9843, 0.5655,  
0.3813

99.8141, 0.3121,  
0.3290

■ 28.3084, 0.5861,  
0.3729

# Harmonies

## Analogous

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



58.3586, 0.3929, 0.3321



58.3586, 0.4028, 0.3681



58.3586, 0.3867, 0.3977

# Triad

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



58.3586, 0.4028, 0.3681



58.3586, 0.2655, 0.3622



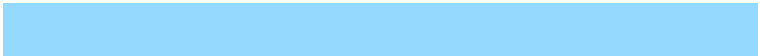
58.3586, 0.2712, 0.2574

# Complementary

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



58.3586, 0.4028, 0.3681



63.1661, 0.2489, 0.2854

# 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.



58.3586, 0.2416, 0.2600



58.3586, 0.4028, 0.3681



58.3586, 0.2383, 0.3175

# Square

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



58.3586, 0.4028, 0.3681



58.3586, 0.3064, 0.3983



58.3586, 0.2300, 0.2806



58.3586, 0.3139, 0.2711



# Rectangle

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



58.3586, 0.4028, 0.3681



58.3586, 0.3644, 0.4089



58.3586, 0.2300, 0.2806



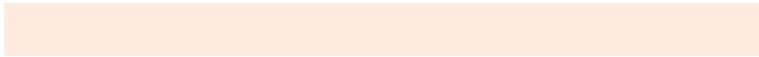
58.3586, 0.2595, 0.2564

# Sweetspot

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



58.3614, 0.4028, 0.3681



86.1867, 0.3331, 0.3397



47.5843, 0.3500, 0.2595



18.1460, 0.3356, 0.3410



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.



58.3614, 0.4028, 0.3681



52.4785, 0.4293, 0.3758



84.5446, 0.3806, 0.4182



19.0344, 0.3285, 0.3374



15.1722, 0.5831, 0.3752

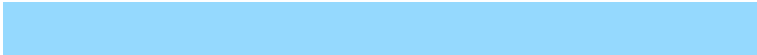


1.6736, 0.5614, 0.3924

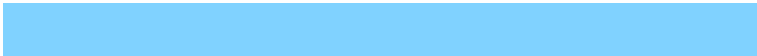


# Inverse Universe

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



63.1661, 0.2489, 0.2854



57.8929, 0.2367, 0.2744



40.3579, 0.2383, 0.2202



19.3407, 0.2980, 0.3204



18.1475, 0.1914, 0.2090



1.9726, 0.1956, 0.2242



# Previews

## White Background



This preview shows how the Yxy color 58.3586, 0.4028, 0.3681 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

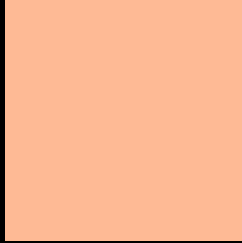
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.3586, 0.4028, 0.3681 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

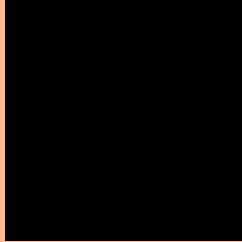
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.3586, 0.4028, 0.3681**

## Background



This preview shows how black text looks on a background with the Yxy color 58.3586, 0.4028, 0.3681.



This preview shows how white text looks on a background with the Yxy color 58.3586, 0.4028, 0.3681.

# 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

58.3586, 0.4028, 0.3681

### Protanopia

58.6207, 0.3580, 0.3821

### Deuteranopia

58.4552, 0.3868, 0.3789



## Tritanopia

58.2028, 0.3660, 0.3156

# Trichromacy



**Original Color**

58.3586, 0.4028, 0.3681

**Protanomaly**

58.4378, 0.3739, 0.3780

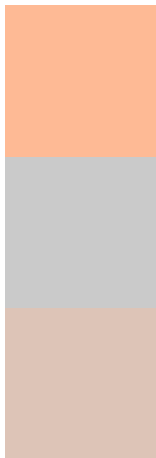
**Deuteranomaly**

58.1981, 0.3932, 0.3748

**Tritanomaly**

58.3413, 0.3796, 0.3344

# Monochromacy



**Original Color**

58.3586, 0.4028, 0.3681

**Achromatopsia**

59.0619, 0.3127, 0.3290

**Achromatomaly**

58.2709, 0.3431, 0.3441

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.3586, 0.4028, 0.3681 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(254, 186, 149)` looks like.

```
.text, #text, p{  
    color:rgb(254, 186, 149)  
}
```

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(254, 186, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 186, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 58.3586, 0.4028, 0.3681 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(254, 186, 149) }
```

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

```
.border{ border-color:rgb(254, 186, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 186, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 186, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 186, 149);  
box-shadow:4px 4px 4px 4px rgb(254, 186,  
149) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.3586, 0.4028, 0.3681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 186, 149) }
```

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

```
.background{ background-color: rgb(254,  
186, 149) }
```

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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