

# Converting Colors

Yxy(58.6593, 0.4132, 0.3814)

Have a look what the booklet for  
Yxy(58.6593, 0.4132, 0.3814)  
contains.

<b>Yxy(58.6068, 0.4131, 0.3811)</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(58.6068, 0.4131, 0.3811)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFBB89
RGB	255, 187, 137
RGB Percent	100%, 73%, 54%
CMY	0.0000, 0.2666, 0.4626
CMYK	0.00, 0.27, 0.46, 0.00
HSL	25°, 100%, 77%
HSV	25°, 46%, 100%
XYZ	63.5279, 58.6068, 31.6486
YIQ	201.6320, 56.5780, -1.1340

# Conversions

## Conversions Part 2

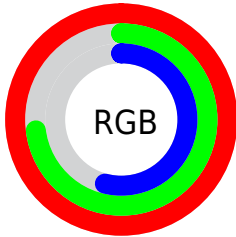
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 224, 137
Decimal	16759689
CIE Lab	81.07, 18.74, 34.89
CIE LCh	81, 39.601, 61.759
Yxy	58.6068, 0.4131, 0.3811
Android (android.graphics.Color)	4294949769 (0xFFFFBB89)
YUV	201.6320, -31.8636, 46.8037
Hunter-Lab	76.5551, 14.1536, 29.0775

# Details

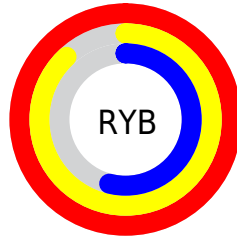
The Yxy color **58.6068, 0.4131, 0.3811** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **56.2253, 0.2400, 0.2687**, and the grayscale version is **59.0011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1228, 0.3535, 0.3809**, and **29.4578, 0.4385, 0.3918** is the 20% darker color. If you saturate the color by 10%, you get **52.0406, 0.4428, 0.3909**, and if you desaturate by 10%, it is **65.9901, 0.3860, 0.3699**.

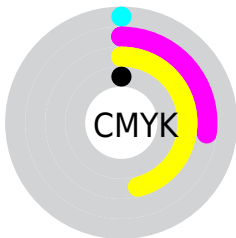
# Distribution



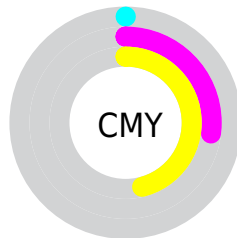
- Red (100%)
- Green (73%)
- Blue (54%)



- Red (100%)
- Yellow (88%)
- Blue (54%)



- Cyan (0%)
- Magenta (27%)
- Yellow (46%)
- Black (0%)




- Cyan (0%)
- Magenta (27%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.6068, 0.4131, 0.3811 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 58.6068, 0.4131, 0.3811 by changing the saturation by 10% instead.





 58.6068, 0.4131,  
0.3811


 58.6068, 0.4131,  
0.3811


419.4432, 0.3649,  
0.3583

 42.2967, 0.4243,  
0.3857


 102.8060, 0.3962,  
0.3736

 29.3337, 0.4382,  
0.3910


 131.4638, 0.3896,  
0.3706

 19.3334, 0.4557,  
0.3971


 165.0063, 0.3840,  
0.3679

 11.9114, 0.4782,  
0.4036


203.8180, 0.3792,  
0.3655

 6.6834, 0.5076,  
0.4097

248.2831, 0.3749,  
0.3634

 3.2649, 0.5625,  
0.4243

298.7860, 0.3712,

 1.2715, 0.5977,

0.3616

0.4023

355.7113, 0.3679,  
0.3599

0.1190, 0.8274,  
0.1726

0.0000, 0.0000,  
0.0000

58.6068, 0.4131,  
0.3811

58.6068, 0.4131,  
0.3811

52.0406, 0.4428,  
0.3909

65.9901, 0.3860,  
0.3699

46.2514, 0.4741,  
0.3981

74.2114, 0.3619,  
0.3582

41.2081, 0.5053,  
0.4014

83.3014, 0.3409,  
0.3467

36.8732, 0.5342,  
0.3996

93.2864, 0.3228,  
0.3356

■ 33.2039, 0.5582,  
0.3923

99.9996, 0.3127,  
0.3290

■ 31.9848, 0.5662,  
0.3886

# Harmonies

## Analogous

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



58.6068, 0.4093, 0.3414



58.6068, 0.4131, 0.3811



58.6068, 0.3882, 0.4121

# Triad

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



58.6068, 0.4131, 0.3811



58.6068, 0.2503, 0.3548



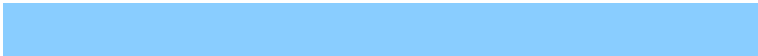
58.6068, 0.2758, 0.2508

# Complementary

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



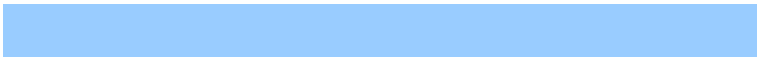
58.6068, 0.4131, 0.3811



56.2253, 0.2400, 0.2687

# 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.



58.6068, 0.2387, 0.2489



58.6068, 0.4131, 0.3811



58.6068, 0.2248, 0.3042

# Square

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



58.6068, 0.4131, 0.3811



58.6068, 0.2934, 0.4009



58.6068, 0.2209, 0.2667



58.6068, 0.3262, 0.2699



# Rectangle

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



58.6068, 0.4131, 0.3811



58.6068, 0.3601, 0.4217



58.6068, 0.2209, 0.2667



58.6068, 0.2616, 0.2481

# Sweetspot

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



58.6096, 0.4131, 0.3811



85.4755, 0.3366, 0.3441



43.6139, 0.3641, 0.2590



17.8501, 0.3407, 0.3465



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.



58.6096, 0.4131, 0.3811



52.1992, 0.4420, 0.3907



88.4741, 0.3854, 0.4346



19.2516, 0.3284, 0.3391



16.9938, 0.5633, 0.3909



1.8655, 0.5432, 0.4069



# Inverse Universe

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



56.2253, 0.2400, 0.2687



49.4930, 0.2259, 0.2532



33.3719, 0.2266, 0.1950



19.1169, 0.2979, 0.3187



14.9783, 0.1844, 0.1837



1.6749, 0.1894, 0.2018



# Previews

## White Background



This preview shows how the Yxy color 58.6068, 0.4131, 0.3811 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

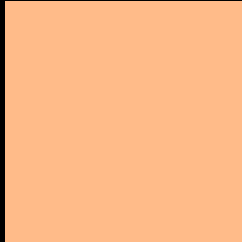
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.6068, 0.4131, 0.3811 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 58.6068, 0.4131, 0.3811**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.6068, 0.4131, 0.3811.



This preview shows how white text looks on a background with the Yxy color 58.6068, 0.4131, 0.3811.

# 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

58.6068, 0.4131, 0.3811

### Protanopia

58.9759, 0.3692, 0.3981

### Deuteranopia

58.7947, 0.3998, 0.3909



## Tritanopia

58.6109, 0.3658, 0.3166

# Trichromacy



**Original Color**

58.6068, 0.4131, 0.3811

**Protanomaly**

58.8445, 0.3846, 0.3921

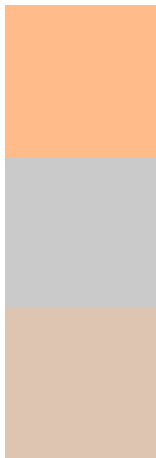
**Deuteranomaly**

58.8133, 0.4051, 0.3878

**Tritanomaly**

58.5581, 0.3836, 0.3408

# Monochromacy



**Original Color**

58.6068, 0.4131, 0.3811

**Achromatopsia**

59.0619, 0.3127, 0.3290

**Achromatomaly**

58.5190, 0.3468, 0.3510

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.6068, 0.4131, 0.3811 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, 187, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 137)  
}
```

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, 187, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 58.6068, 0.4131, 0.3811 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, 187, 137) }
```

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

```
.border{ border-color:rgb(255, 187, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 187, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 187, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 187, 137); box-shadow:4px 4px 4px 4px rgb(255, 187, 137) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.6068, 0.4131, 0.3811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 137) }
```

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

```
.background{ background-color: rgb(255,  
187, 137) }
```

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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