

# Converting Colors

Yxy(58.3589, 0.4114, 0.3778)

Have a look what the booklet for  
Yxy(58.3589, 0.4114, 0.3778)  
contains.

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# Color

**Yxy(58.2713, 0.4112, 0.3771)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBA8C
RGB	255, 186, 140
RGB Percent	100%, 73%, 55%
CMY	0.0000, 0.2706, 0.4509
CMYK	0.00, 0.27, 0.45, 0.00
HSL	24°, 100%, 77%
HSV	24°, 45%, 100%
XYZ	63.5406, 58.2713, 32.7129
YIQ	201.3870, 55.8900, 0.3220

# Conversions

## Conversions Part 2

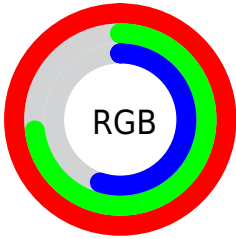
Format	Color
R <sub>Y</sub> B	255, 217, 140
Decimal	16759436
CIE Lab	80.89, 19.57, 33.10
CIE LCh	81, 38.450, 59.409
Yxy	58.2713, 0.4112, 0.3771
Android (android.graphics.Color)	4294949516 (0xFFFFBA8C)
YUV	201.3870, -30.2638, 47.0186
Hunter-Lab	76.3356, 14.9932, 28.0268

# Details

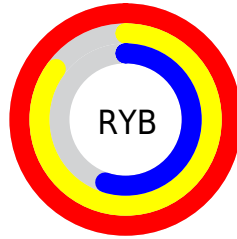
The Yxy color **58.2713, 0.4112, 0.3771** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **58.4056, 0.2423, 0.2739**, and the grayscale version is **58.8243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6593, 0.3518, 0.3770**, and **29.2321, 0.4362, 0.3870** is the 20% darker color. If you saturate the color by 10%, you get **51.4958, 0.4415, 0.3865**, and if you desaturate by 10%, it is **65.9069, 0.3838, 0.3664**.

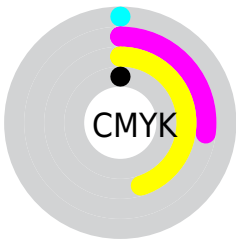
# Distribution



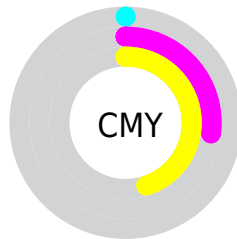
- Red (100%)
- Green (73%)
- Blue (55%)



- Red (100%)
- Yellow (85%)
- Blue (55%)



- Cyan (0%)
- Magenta (27%)
- Yellow (45%)
- Black (0%)




- Cyan (0%)
- Magenta (27%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.2713, 0.4112, 0.3771 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 58.2713, 0.4112, 0.3771 by changing the saturation by 10% instead.





 58.2713, 0.4112,  
0.3771


 58.2713, 0.4112,  
0.3771


418.1961, 0.3638,  
0.3561


 42.0268, 0.4223,  
0.3814

 102.3178, 0.3945,  
0.3702

 29.1223, 0.4361,  
0.3863


 130.8886, 0.3880,  
0.3674

 19.1733, 0.4535,  
0.3918


 164.3370, 0.3825,  
0.3649

 11.7956, 0.4761,  
0.3979

203.0473, 0.3778,  
0.3628

 6.6046, 0.5060,  
0.4035

247.4040, 0.3736,  
0.3608

 3.2161, 0.5587,  
0.4150

297.7914, 0.3699,

 1.2456, 0.6028,

0.3591

0.3972

354.5940, 0.3667,  
0.3575

0.0985, 0.8530,  
0.1470

0.0000, 0.0000,  
0.0000

58.2713, 0.4112,  
0.3771

58.2713, 0.4112,  
0.3771

51.4958, 0.4415,  
0.3865

65.9069, 0.3838,  
0.3664

45.5536, 0.4737,  
0.3936

74.4415, 0.3597,  
0.3553

40.4057, 0.5063,  
0.3969

83.9025, 0.3388,  
0.3444

36.0122, 0.5366,  
0.3952

94.3184, 0.3208,  
0.3340

■ 32.3277, 0.5622,  
0.3881

100.0000, 0.3127,  
0.3290

■ 30.7572, 0.5730,  
0.3832

# Harmonies

## Analogous

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



58.2713, 0.4050, 0.3381



58.2713, 0.4112, 0.3771



58.2713, 0.3891, 0.4082

# Triad

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



58.2713, 0.4112, 0.3771



58.2713, 0.2548, 0.3581



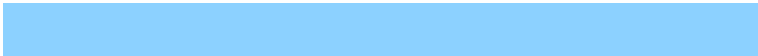
58.2713, 0.2734, 0.2519

# Complementary

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



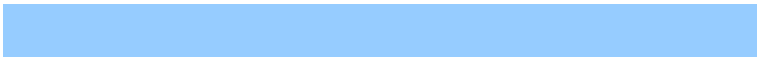
58.2713, 0.4112, 0.3771



58.4056, 0.2423, 0.2739

# 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.



58.2713, 0.2384, 0.2516



58.2713, 0.4112, 0.3771



58.2713, 0.2282, 0.3086

# Square

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



58.2713, 0.4112, 0.3771



58.2713, 0.2978, 0.4014



58.2713, 0.2227, 0.2706



58.2713, 0.3218, 0.2693



# Rectangle

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



58.2713, 0.4112, 0.3771



58.2713, 0.3625, 0.4187



58.2713, 0.2227, 0.2706



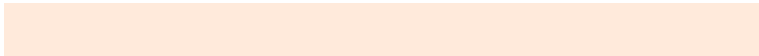
58.2713, 0.2599, 0.2498

# Sweetspot

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



58.2689, 0.4112, 0.3771



84.9948, 0.3367, 0.3433



44.7184, 0.3584, 0.2570



17.7336, 0.3409, 0.3456



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.



58.2689, 0.4112, 0.3771



52.1956, 0.4380, 0.3856



86.4110, 0.3853, 0.4290



19.1791, 0.3284, 0.3386



16.3439, 0.5701, 0.3855



1.7982, 0.5493, 0.4021



# Inverse Universe

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



58.4056, 0.2423, 0.2739



52.3012, 0.2296, 0.2607



35.7186, 0.2299, 0.2036



19.1911, 0.2979, 0.3193



15.9819, 0.1867, 0.1920



1.7700, 0.1915, 0.2092



# Previews

## White Background



This preview shows how the Yxy color 58.2713, 0.4112, 0.3771 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

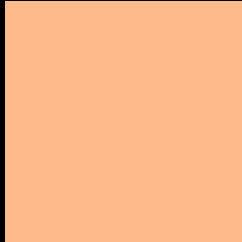
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.2713, 0.4112, 0.3771 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

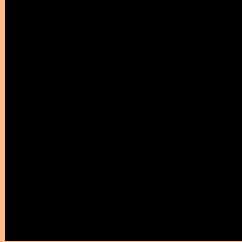
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.2713, 0.4112, 0.3771**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.2713, 0.4112, 0.3771.



This preview shows how white text looks on a background with the Yxy color 58.2713, 0.4112, 0.3771.

# 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

58.2713, 0.4112, 0.3771

### Protanopia

58.4475, 0.3664, 0.3937

### Deuteranopia

58.5293, 0.3957, 0.3882



## Tritanopia

58.1580, 0.3669, 0.3166

# Trichromacy



## Original Color

58.2713, 0.4112, 0.3771



## Protanomaly

58.3165, 0.3818, 0.3879



## Deuteranomaly

58.1035, 0.4015, 0.3841



## Tritanomaly

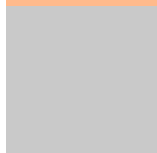
58.1830, 0.3831, 0.3387

# Monochromacy



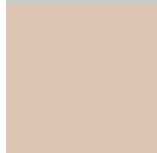
## Original Color

58.2713, 0.4112, 0.3771



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

58.1067, 0.3463, 0.3487

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.2713, 0.4112, 0.3771 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, 186, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 140)  
}
```

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, 186, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 58.2713, 0.4112, 0.3771 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, 186, 140) }
```

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

```
.border{ border-color:rgb(255, 186, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 186, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.2713, 0.4112, 0.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 140) }
```

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

```
.background{ background-color: rgb(255,  
186, 140) }
```

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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