

# Converting Colors

$Y_{xy}(60.3405, 0.4299, 0.3644)$

Have a look what the booklet for  
Yxy(60.3405, 0.4299, 0.3644)  
contains.

<b>Yxy(55.8857, 0.4116, 0.3680)</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(55.8857, 0.4116, 0.3680)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB48F
RGB	255, 180, 143
RGB Percent	100%, 71%, 56%
CMY	0.0002, 0.2940, 0.4393
CMYK	0.00, 0.29, 0.44, 0.00
HSL	20°, 100%, 78%
HSV	20°, 44%, 100%
XYZ	62.5069, 55.8857, 33.4707
YIQ	198.2070, 56.5770, 4.3930

# Conversions

## Conversions Part 2

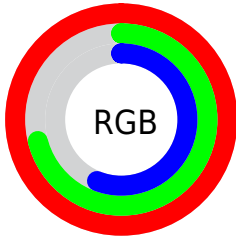
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 198, 143
Decimal	16757903
CIE Lab	79.55, 22.96, 29.76
CIE LCh	80, 37.589, 52.347
Yxy	55.8857, 0.4116, 0.3680
Android (android.graphics.Color)	4294947983 (0xFFFFB48F)
YUV	198.2070, -27.2171, 49.8075
Hunter-Lab	74.7567, 18.4263, 25.7839

# Details

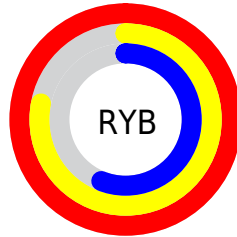
The Yxy color **55.8857, 0.4116, 0.3680** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.1529, 0.2457, 0.2852**, and the grayscale version is **56.7475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2821, 0.3511, 0.3682**, and **27.6872, 0.4378, 0.3755** is the 20% darker color. If you saturate the color by 10%, you get **48.7305, 0.4440, 0.3759**, and if you desaturate by 10%, it is **64.0698, 0.3829, 0.3591**.

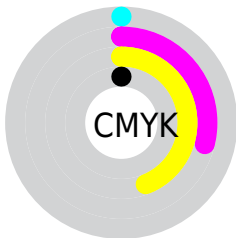
# Distribution



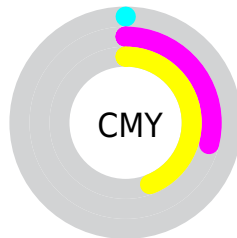
- Red (100%)
- Green (71%)
- Blue (56%)



- Red (100%)
- Yellow (78%)
- Blue (56%)



- Cyan (0%)
- Magenta (29%)
- Yellow (44%)
- Black (0%)



- Cyan (0%)
- Magenta (29%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8857, 0.4116, 0.3680 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 55.8857, 0.4116, 0.3680 by changing the saturation by 10% instead.





 55.8857, 0.4116,  
0.3680

 55.8857, 0.4116,  
0.3680


409.2606, 0.3634,  
0.3512

 40.1113, 0.4231,  
0.3713


 98.8374, 0.3945,  
0.3626

 27.6253, 0.4374,  
0.3751


 126.7836, 0.3879,  
0.3603

 18.0434, 0.4557,  
0.3792


159.5557, 0.3824,  
0.3583

 10.9812, 0.4798,  
0.3835

197.5383, 0.3775,  
0.3566

 6.0542, 0.5123,  
0.3868

241.1156, 0.3733,  
0.3550

 2.8780, 0.5687,  
0.3936

290.6722, 0.3696,

 1.0684, 0.6265,

0.3536

0.3735

346.5924, 0.3664,  
0.3524

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

55.8857, 0.4116,  
0.3680

55.8857, 0.4116,  
0.3680

48.7305, 0.4440,  
0.3759

64.0698, 0.3829,  
0.3591

42.5534, 0.4791,  
0.3817

73.3148, 0.3581,  
0.3498

37.3111, 0.5152,  
0.3840

83.6610, 0.3369,  
0.3408

32.9530, 0.5491,  
0.3818

95.1443, 0.3190,  
0.3322

■ 29.4228, 0.5777,  
0.3745

99.9923, 0.3127,  
0.3290

■ 27.6475, 0.5918,  
0.3683

# Harmonies

## Analogous

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



55.8857, 0.3985, 0.3288



55.8857, 0.4116, 0.3680



55.8857, 0.3958, 0.4016

# Triad

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



55.8857, 0.4116, 0.3680



55.8857, 0.2641, 0.3693



55.8857, 0.2641, 0.2508

# Complementary

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



55.8857, 0.4116, 0.3680



63.1529, 0.2457, 0.2852

# 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.



55.8857, 0.2335, 0.2549



55.8857, 0.4116, 0.3680



55.8857, 0.2333, 0.3198

# Square

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



55.8857, 0.4116, 0.3680



55.8857, 0.3094, 0.4077



55.8857, 0.2228, 0.2784



55.8857, 0.3098, 0.2644



# Rectangle

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



55.8857, 0.4116, 0.3680



55.8857, 0.3722, 0.4155



55.8857, 0.2228, 0.2784



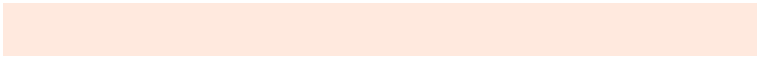
55.8857, 0.2519, 0.2501

# Sweetspot

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



55.8884, 0.4116, 0.3680



84.7003, 0.3351, 0.3400



46.0322, 0.3495, 0.2518



17.6148, 0.3394, 0.3419



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.



55.8884, 0.4116, 0.3680



49.3652, 0.4409, 0.3752



82.3258, 0.3865, 0.4202



18.9686, 0.3286, 0.3369



14.6941, 0.5888, 0.3707

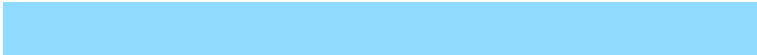


1.6213, 0.5669, 0.3881

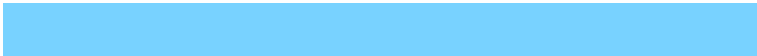


# Inverse Universe

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



63.1529, 0.2457, 0.2852



57.4376, 0.2334, 0.2742



39.4311, 0.2339, 0.2167



19.4092, 0.2980, 0.3209



19.2051, 0.1936, 0.2168



2.0704, 0.1975, 0.2311



# Previews

## White Background



This preview shows how the Yxy color 55.8857, 0.4116, 0.3680 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 55.8857, 0.4116, 0.3680 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

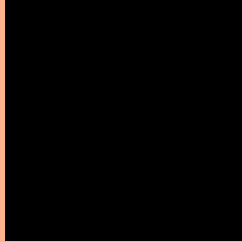
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.8857, 0.4116, 0.3680**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.8857, 0.4116, 0.3680.



This preview shows how white text looks on a background with the Yxy color 55.8857, 0.4116, 0.3680.

# 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

55.8857, 0.4116, 0.3680

### Protanopia

56.0158, 0.3596, 0.3843

### Deuteranopia

55.9804, 0.3916, 0.3828



## Tritanopia

55.9415, 0.3726, 0.3166

# Trichromacy



## Original Color

55.8857, 0.4116, 0.3680

## Protanomaly

55.7306, 0.3780, 0.3785

## Deuteranomaly

55.9481, 0.3983, 0.3773

## Tritanomaly

55.6828, 0.3869, 0.3345

# Monochromacy



## Original Color

55.8857, 0.4116, 0.3680

## Achromatopsia

56.4712, 0.3127, 0.3290

## Achromatomaly

55.5360, 0.3464, 0.3443

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.8857, 0.4116, 0.3680 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, 180, 143)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 143)  
}
```

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, 180, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 143) }
```

## Border

The CSS property to change the border of an element to Yxy 55.8857, 0.4116, 0.3680 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, 180, 143) }
```

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

```
.border{ border-color:rgb(255, 180, 143) }
```

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

Here you see how a box with a 4 pixel rgb(255, 180, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 143);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
143) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.8857, 0.4116, 0.3680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 180, 143) }
```

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

```
.background{ background-color: rgb(255,  
180, 143) }
```

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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