

# Converting Colors

$Yxy(90.3381, 0.5157, 0.3601)$

Have a look what the booklet for  
Yxy(90.3381, 0.5157, 0.3601)  
contains.

<b>Yxy(55.4610, 0.4244, 0.3830)</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(55.4610, 0.4244, 0.3830)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFB480
RGB	255, 180, 128
RGB Percent	100%, 71%, 50%
CMY	0.0000, 0.2941, 0.4980
CMYK	0.00, 0.29, 0.50, 0.00
HSL	25°, 100%, 75%
HSV	25°, 50%, 100%
XYZ	61.4560, 55.4610, 27.8898
YIQ	196.4970, 61.3920, -0.2720

# Conversions

## Conversions Part 2

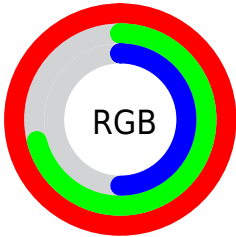
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 216, 128
Decimal	16757888
CIE Lab	79.31, 21.56, 37.30
CIE LCh	79, 43.086, 59.977
Yxy	55.4610, 0.4244, 0.3830
Android (android.graphics.Color)	4294947968 (0xFFFFB480)
YUV	196.4970, -33.7690, 51.3071
Hunter-Lab	74.4721, 16.9758, 29.9264

# Details

The Yxy color **55.4610, 0.4244, 0.3830** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.5167, 0.2352, 0.2654**, and the grayscale version is **55.6971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5871, 0.3617, 0.3845**, and **27.3309, 0.4520, 0.3925** is the 20% darker color. If you saturate the color by 10%, you get **49.1212, 0.4554, 0.3917**, and if you desaturate by 10%, it is **62.6354, 0.3959, 0.3725**.

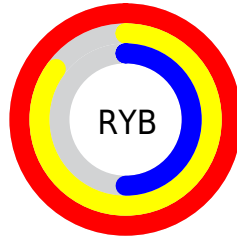
# Distribution



Red (100%)

Green (71%)

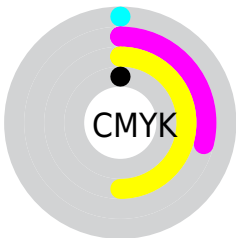
Blue (50%)



Red (100%)

Yellow (85%)

Blue (50%)

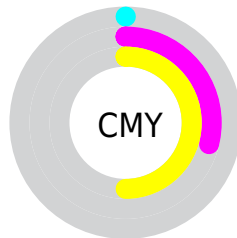


Cyan (0%)

Magenta (29%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (29%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.4610, 0.4244, 0.3830 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 55.4610, 0.4244, 0.3830 by changing the saturation by 10% instead.





 55.4610, 0.4244,  
0.3830


 55.4610, 0.4244,  
0.3830


407.6571, 0.3704,  
0.3597

 39.7709, 0.4370,  
0.3875

 98.2161, 0.4054,  
0.3755

 27.3600, 0.4526,  
0.3926


 126.0499, 0.3980,  
0.3724

 17.8438, 0.4722,  
0.3982


 158.7003, 0.3917,  
0.3696

 10.8379, 0.4973,  
0.4035

196.5519, 0.3863,  
0.3672

 5.9579, 0.5297,  
0.4071

239.9890, 0.3816,  
0.3650

 2.8195, 0.5858,  
0.4142

289.3959, 0.3774,

 1.0382, 0.6202,

0.3631

0.3798

345.1572, 0.3737,  
0.3613

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

55.4610, 0.4244,  
0.3830

55.4610, 0.4244,  
0.3830

49.1212, 0.4554,  
0.3917

62.6354, 0.3959,  
0.3725

43.5740, 0.4876,  
0.3974

70.6678, 0.3704,  
0.3613

38.7851, 0.5189,  
0.3987

79.5906, 0.3482,  
0.3500

34.7138, 0.5469,  
0.3946

89.4322, 0.3289,  
0.3391

■ 31.3069, 0.5698,  
0.3856

99.9987, 0.3127,  
0.3290

■ 31.2447, 0.5703,  
0.3854

# Harmonies

## Analogous

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



55.4610, 0.4185, 0.3392



55.4610, 0.4244, 0.3830



55.4610, 0.3981, 0.4188

# Triad

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



55.4610, 0.4244, 0.3830



55.4610, 0.2461, 0.3610



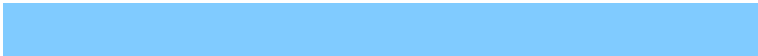
55.4610, 0.2689, 0.2427

# Complementary

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



55.4610, 0.4244, 0.3830



54.5167, 0.2352, 0.2654

# Split Complementary

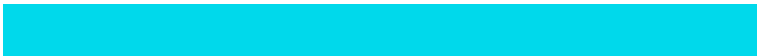
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



55.4610, 0.2296, 0.2416



55.4610, 0.4244, 0.3830



55.4610, 0.2171, 0.3040

# Square

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



55.4610, 0.4244, 0.3830



55.4610, 0.2942, 0.4118



55.4610, 0.2117, 0.2618



55.4610, 0.3238, 0.2625



# Rectangle

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



55.4610, 0.4244, 0.3830



55.4610, 0.3675, 0.4314



55.4610, 0.2117, 0.2618



55.4610, 0.2536, 0.2401

# Sweetspot

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



55.4637, 0.4244, 0.3830



84.2033, 0.3386, 0.3447



41.0680, 0.3674, 0.2520



17.5842, 0.3427, 0.3470



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.



55.4637, 0.4244, 0.3830



49.0055, 0.4560, 0.3919



86.4971, 0.3917, 0.4401



19.2086, 0.3284, 0.3388



16.6031, 0.5674, 0.3877



1.8251, 0.5468, 0.4040



# Inverse Universe

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



54.5167, 0.2352, 0.2654



47.8955, 0.2212, 0.2495



30.7723, 0.2197, 0.1856



19.1609, 0.2979, 0.3190



15.5674, 0.1857, 0.1886



1.7309, 0.1906, 0.2062



# Previews

## White Background



This preview shows how the Yxy color 55.4610, 0.4244, 0.3830 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

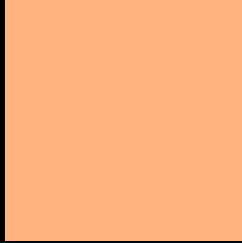
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.4610, 0.4244, 0.3830 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

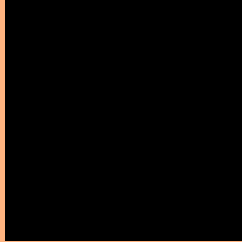
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.4610, 0.4244, 0.3830**

## Background



This preview shows how black text looks on a background with the Yxy color 55.4610, 0.4244, 0.3830.



This preview shows how white text looks on a background with the Yxy color 55.4610, 0.4244, 0.3830.

# 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

55.4610, 0.4244, 0.3830

### Protanopia

55.8279, 0.3737, 0.4029

### Deuteranopia

55.4773, 0.4059, 0.3974



## Tritanopia

55.5078, 0.3738, 0.3166

# Trichromacy



**Original Color**

55.4610, 0.4244, 0.3830

**Protanomaly**

55.4215, 0.3918, 0.3963

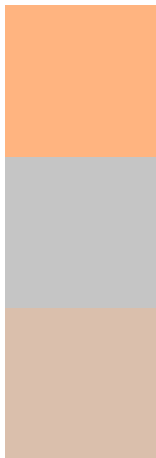
**Deuteranomaly**

55.4633, 0.4129, 0.3915

**Tritanomaly**

55.4575, 0.3924, 0.3408

# Monochromacy



**Original Color**

55.4610, 0.4244, 0.3830

**Achromatopsia**

55.8340, 0.3127, 0.3290

**Achromatomaly**

55.1456, 0.3505, 0.3514

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.4610, 0.4244, 0.3830 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 128)  
}
```

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, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 55.4610, 0.4244, 0.3830 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, 128) }
```

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

```
.border{ border-color:rgb(255, 180, 128) }
```

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, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.4610, 0.4244, 0.3830 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, 128) }
```

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

```
.background{ background-color: rgb(255,  
180, 128) }
```

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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