

# Converting Colors

$Y_{xy}(55.7033, 0.4055, 0.3592)$

Have a look what the booklet for  
Yxy(55.7033, 0.4055, 0.3592)  
contains.

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# Color

**Yxy(55.7022, 0.4059, 0.3597)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB396
RGB	255, 179, 150
RGB Percent	100%, 70%, 59%
CMY	0.0001, 0.2980, 0.4117
CMYK	0.00, 0.30, 0.41, 0.00
HSL	17°, 100%, 79%
HSV	17°, 41%, 100%
XYZ	62.8566, 55.7022, 36.2986
YIQ	198.4180, 54.6050, 7.0930

# Conversions

## Conversions Part 2

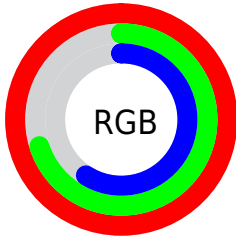
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 190, 150
Decimal	16757654
CIE Lab	79.44, 24.22, 25.88
CIE LCh	79, 35.448, 46.895
Yxy	55.7022, 0.4059, 0.3597
Android (android.graphics.Color)	4294947734 (0xFFFFB396)
YUV	198.4180, -23.8701, 49.6224
Hunter-Lab	74.6339, 19.7232, 23.4077

# Details

The Yxy color **55.7022, 0.4059, 0.3597** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **68.0735, 0.2507, 0.2953**, and the grayscale version is **56.8645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0363, 0.3466, 0.3602**, and **27.5583, 0.4305, 0.3653** is the 20% darker color. If you saturate the color by 10%, you get **48.0623, 0.4391, 0.3666**, and if you desaturate by 10%, it is **64.5157, 0.3770, 0.3521**.

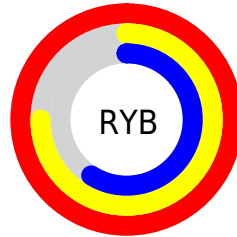
# Distribution



Red (100%)

Green (70%)

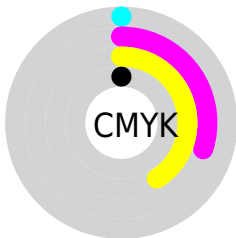
Blue (59%)



Red (100%)

Yellow (75%)

Blue (59%)

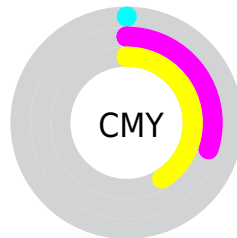


Cyan (0%)

Magenta (30%)

Yellow (41%)

Black (0%)



Cyan (0%)

Magenta (30%)


Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.7022, 0.4059, 0.3597 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 55.7022, 0.4059, 0.3597 by changing the saturation by 10% instead.





 55.7022, 0.4059,  
0.3597

 55.7022, 0.4059,  
0.3597


408.5682, 0.3603,  
0.3466

 39.9642, 0.4168,  
0.3623


 98.5690, 0.3897,  
0.3555

 27.5106, 0.4305,  
0.3651


 126.4667, 0.3835,  
0.3537

 17.9571, 0.4482,  
0.3683


159.1863, 0.3782,  
0.3522

 10.9192, 0.4717,  
0.3715

197.1123, 0.3736,  
0.3508

 6.0125, 0.5040,  
0.3738

240.6291, 0.3697,  
0.3496

 2.8527, 0.5545,  
0.3752

290.1211, 0.3662,

 1.0553, 0.6336,

0.3485

0.3664

345.9727, 0.3631,  
0.3475

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

55.7022, 0.4059,  
0.3597

55.7022, 0.4059,  
0.3597

48.0623, 0.4391,  
0.3666

64.5157, 0.3770,  
0.3521

41.5372, 0.4759,  
0.3718

74.5422, 0.3525,  
0.3443

36.0749, 0.5145,  
0.3741

85.8292, 0.3318,  
0.3368

31.6158, 0.5518,  
0.3725

98.4191, 0.3145,  
0.3298

■ 28.0932, 0.5836,  
0.3662

99.9935, 0.3127,  
0.3290

■ 25.6926, 0.6050,  
0.3578

# Harmonies

## Analogous

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



55.7022, 0.3886, 0.3223



55.7022, 0.4059, 0.3597



55.7022, 0.3959, 0.3930

# Triad

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



55.7022, 0.4059, 0.3597



55.7022, 0.2739, 0.3749



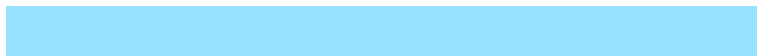
55.7022, 0.2602, 0.2542

# Complementary

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



55.7022, 0.4059, 0.3597



68.0735, 0.2507, 0.2953

# 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.



55.7022, 0.2343, 0.2615



55.7022, 0.4059, 0.3597



55.7022, 0.2415, 0.3289

# Square

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



55.7022, 0.4059, 0.3597



55.7022, 0.3183, 0.4069



55.7022, 0.2277, 0.2874



55.7022, 0.3015, 0.2642



# Rectangle

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



55.7022, 0.4059, 0.3597



55.7022, 0.3760, 0.4081



55.7022, 0.2277, 0.2874



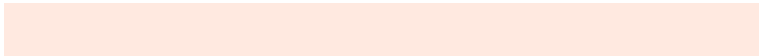
55.7022, 0.2496, 0.2546

# Sweetspot

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



55.7049, 0.4059, 0.3597



84.8607, 0.3334, 0.3375



48.6158, 0.3416, 0.2517



17.8354, 0.3360, 0.3384



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.



55.7049, 0.4059, 0.3597



49.6336, 0.4316, 0.3652



80.3155, 0.3837, 0.4100



18.8040, 0.3287, 0.3356



13.6421, 0.6022, 0.3601

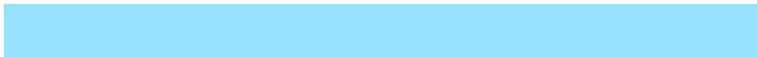


1.5020, 0.5802, 0.3775



# Inverse Universe

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



68.0735, 0.2507, 0.2953



63.4010, 0.2403, 0.2876



44.1703, 0.2405, 0.2316



19.5826, 0.2980, 0.3223



22.0621, 0.1990, 0.2363



2.3315, 0.2023, 0.2482



# Previews

## White Background



This preview shows how the Yxy color 55.7022, 0.4059, 0.3597 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

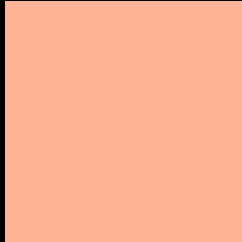
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.7022, 0.4059, 0.3597 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

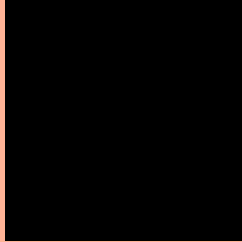
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.7022, 0.4059, 0.3597**

## Background



This preview shows how black text looks on a background with the Yxy color 55.7022, 0.4059, 0.3597.



This preview shows how white text looks on a background with the Yxy color 55.7022, 0.4059, 0.3597.

# 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

55.7022, 0.4059, 0.3597

### Protanopia

55.9564, 0.3524, 0.3761

### Deuteranopia

55.6891, 0.3832, 0.3756



## Tritanopia

55.5508, 0.3729, 0.3156

# Trichromacy



**Original Color**

55.7022, 0.4059, 0.3597

**Protanomaly**

55.3622, 0.3717, 0.3695

**Deuteranomaly**

55.3931, 0.3910, 0.3690

**Tritanomaly**

55.3667, 0.3854, 0.3313

# Monochromacy



**Original Color**

55.7022, 0.4059, 0.3597

**Achromatopsia**

56.4712, 0.3127, 0.3290

**Achromatomaly**

55.6579, 0.3440, 0.3407

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.7022, 0.4059, 0.3597 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, 179, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 150)  
}
```

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, 179, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 150) }
```

## Border

The CSS property to change the border of an element to Yxy 55.7022, 0.4059, 0.3597 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, 179, 150) }
```

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

```
.border{ border-color:rgb(255, 179, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 179, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
150) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.7022, 0.4059, 0.3597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 179, 150) }
```

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

```
.background{ background-color: rgb(255,  
179, 150) }
```

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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