

# Converting Colors

$Yxy(67.6507, 0.5039, 0.3530)$

Have a look what the booklet for  
Yxy(67.6507, 0.5039, 0.3530)  
contains.

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# **Color**

**Yxy(47.5369, 0.4396, 0.3645)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF9F7D
RGB	255, 159, 125
RGB Percent	100%, 62%, 49%
CMY	0.0001, 0.3764, 0.5099
CMYK	0.00, 0.38, 0.51, 0.00
HSL	16°, 100%, 75%
HSV	16°, 51%, 100%
XYZ	57.3312, 47.5369, 25.5486
YIQ	183.8280, 68.1300, 9.7780

# Conversions

## Conversions Part 2

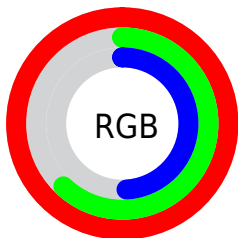
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 171, 125
Decimal	16752509
CIE <sub>Lab</sub>	74.53, 32.24, 32.73
CIE <sub>LCh</sub>	75, 45.942, 45.435
Yxy	47.5369, 0.4396, 0.3645
Android (android.graphics.Color)	4294942589 (0xFFFF9F7D)
YUV	183.8280, -29.0022, 62.4178
Hunter-Lab	68.9470, 27.7700, 26.2927

# Details

The Yxy color **47.5369, 0.4396, 0.3645** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **63.2517, 0.2383, 0.2880**, and the grayscale version is **47.9689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5675, 0.3700, 0.3662**, and **22.4182, 0.4758, 0.3687** is the 20% darker color. If you saturate the color by 10%, you get **40.9807, 0.4769, 0.3694**, and if you desaturate by 10%, it is **55.2506, 0.4060, 0.3580**.

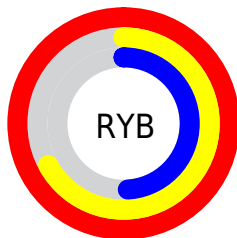
# Distribution



Red (100%)

Green (62%)

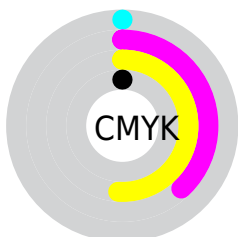
Blue (49%)



Red (100%)

Yellow (67%)

Blue (49%)

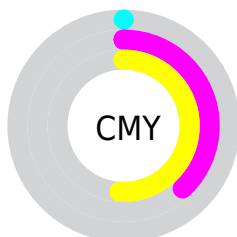


Cyan (0%)

Magenta (38%)

Yellow (51%)

Black (0%)



Cyan (0%)

Magenta (38%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5369, 0.4396, 0.3645 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 47.5369, 0.4396, 0.3645 by changing the saturation by 10% instead.





 47.5369, 0.4396,  
0.3645


 47.5369, 0.4396,  
0.3645


376.9536, 0.3762,  
0.3504

 33.4603, 0.4550,  
0.3667


 86.5145, 0.4168,  
0.3603

 22.4793, 0.4744,  
0.3689


 112.1843, 0.4081,  
0.3585

 14.2095, 0.4993,  
0.3703


 142.4872, 0.4008,  
0.3568

 8.2665, 0.5320,  
0.3700

177.8078, 0.3945,  
0.3552

 4.2660, 0.5773,  
0.3654

218.5303, 0.3890,  
0.3539

 1.8234, 0.6471,  
0.3529

265.0391, 0.3842,

 0.5017, 0.7273,

0.3526

0.2727

317.7188, 0.3800,  
0.3515

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

47.5369, 0.4396,  
0.3645

47.5369, 0.4396,  
0.3645

40.9807, 0.4769,  
0.3694

55.2506, 0.4060,  
0.3580

35.5173, 0.5162,  
0.3715

64.1680, 0.3769,  
0.3508

31.0863, 0.5541,  
0.3698

74.3412, 0.3522,  
0.3434

27.6177, 0.5864,  
0.3636

85.8171, 0.3315,  
0.3363

■ 25.2423, 0.6083,  
0.3552

■ 98.6404, 0.3143,  
0.3296

99.9947, 0.3127,  
0.3290

# Harmonies

## Analogous

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



47.5369, 0.4146, 0.3160



47.5369, 0.4396, 0.3645



47.5369, 0.4259, 0.4106

# Triad

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



47.5369, 0.4396, 0.3645



47.5369, 0.2618, 0.3959



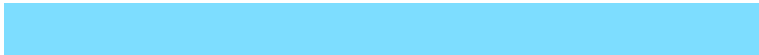
47.5369, 0.2399, 0.2301

# Complementary

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



47.5369, 0.4396, 0.3645



63.2517, 0.2383, 0.2880

# 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.



47.5369, 0.2079, 0.2393



47.5369, 0.4396, 0.3645



47.5369, 0.2187, 0.3303

# Square

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



47.5369, 0.4396, 0.3645



47.5369, 0.3213, 0.4396



47.5369, 0.2004, 0.2731



47.5369, 0.2936, 0.2426



# Rectangle

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



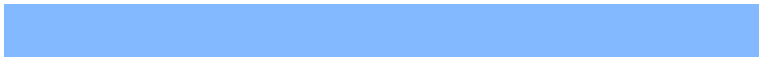
47.5369, 0.4396, 0.3645



47.5369, 0.3989, 0.4341



47.5369, 0.2004, 0.2731



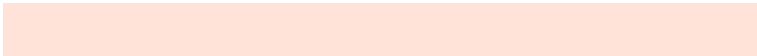
47.5369, 0.2266, 0.2306

# Sweetspot

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



47.5393, 0.4396, 0.3645



81.0677, 0.3394, 0.3391



41.2162, 0.3489, 0.2326



16.8344, 0.3438, 0.3406



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.



47.5393, 0.4396, 0.3645



40.9804, 0.4770, 0.3694



75.2296, 0.4031, 0.4261



18.7604, 0.3288, 0.3353



13.3974, 0.6055, 0.3575



1.4731, 0.5836, 0.3748



# Inverse Universe

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



63.2517, 0.2383, 0.2880



58.1244, 0.2268, 0.2784



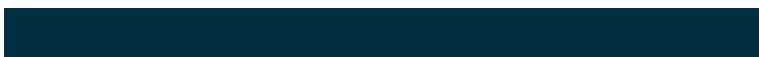
35.8526, 0.2221, 0.2061



19.6290, 0.2980, 0.3226



22.8706, 0.2004, 0.2415



2.4047, 0.2035, 0.2527



# Previews

## White Background



This preview shows how the Yxy color 47.5369, 0.4396, 0.3645 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

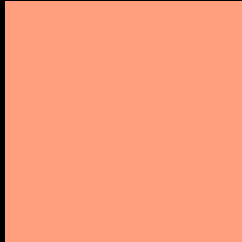
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.5369, 0.4396, 0.3645 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 47.5369, 0.4396, 0.3645**

## Background



This preview shows how black text looks on a background with the Yxy color 47.5369, 0.4396, 0.3645.



This preview shows how white text looks on a background with the Yxy color 47.5369, 0.4396, 0.3645.

# 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

47.5369, 0.4396, 0.3645

### Protanopia

47.9006, 0.3643, 0.3918

### Deuteranopia

47.8280, 0.4013, 0.3928



## Tritanopia

47.4559, 0.4006, 0.3177

# Trichromacy



**Original Color**

47.5369, 0.4396, 0.3645

**Protanomaly**

47.2041, 0.3912, 0.3820

**Deuteranomaly**

47.5031, 0.4149, 0.3823

**Tritanomaly**

47.2713, 0.4155, 0.3346

# Monochromacy



**Original Color**

47.5369, 0.4396, 0.3645

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

47.0059, 0.3550, 0.3439

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.5369, 0.4396, 0.3645 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, 159, 125)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 125)  
}
```

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, 159, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 125) }
```

## Border

The CSS property to change the border of an element to Yxy 47.5369, 0.4396, 0.3645 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, 159, 125) }
```

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

```
.border{ border-color:rgb(255, 159, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 159, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 159, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 159, 125);  
box-shadow:4px 4px 4px 4px rgb(255, 159,  
125) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.5369, 0.4396, 0.3645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 125) }
```

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

```
.background{ background-color: rgb(255,  
159, 125) }
```

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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