

# Converting Colors

$Y_{xy}(100.0000, 0.5286, 0.3489)$

Have a look what the booklet for  
Yxy(100.0000, 0.5286, 0.3489)  
contains.

<b>Yxy(53.3382, 0.4200, 0.3679)</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(53.3382, 0.4200, 0.3679)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAE89
RGB	255, 174, 137
RGB Percent	100%, 68%, 54%
CMY	0.0000, 0.3176, 0.4628
CMYK	0.00, 0.32, 0.46, 0.00
HSL	19°, 100%, 77%
HSV	19°, 46%, 100%
XYZ	60.8917, 53.3382, 30.7503
YIQ	194.0010, 60.1530, 5.6650

# Conversions

## Conversions Part 2

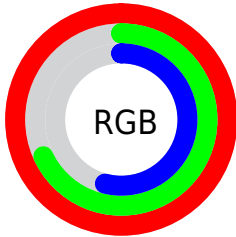
Format	Color
R <sub>Y</sub> B	255, 191, 137
Decimal	16756361
CIE Lab	78.07, 25.54, 30.98
CIE LCh	78, 40.150, 50.497
Yxy	53.3382, 0.4200, 0.3679
Android (android.graphics.Color)	4294946441 (0xFFFFAE89)
YUV	194.0010, -28.1015, 53.4961
Hunter-Lab	73.0330, 21.0176, 26.1593

# Details

The Yxy color **53.3382, 0.4200, 0.3679** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **62.6749, 0.2429, 0.2849**, and the grayscale version is **54.0930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6152, 0.3565, 0.3686**, and **25.9650, 0.4475, 0.3740** is the 20% darker color. If you saturate the color by 10%, you get **46.3650, 0.4538, 0.3750**, and if you desaturate by 10%, it is **61.3699, 0.3899, 0.3596**.

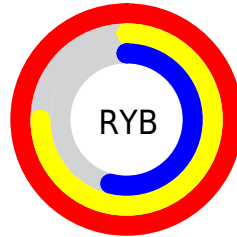
# Distribution



Red (100%)

Green (68%)

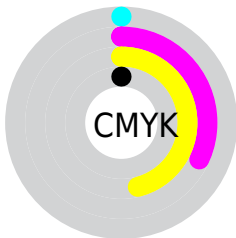
Blue (54%)



Red (100%)

Yellow (75%)

Blue (54%)

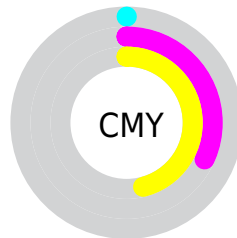


Cyan (0%)

Magenta (32%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (32%)


Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3382, 0.4200, 0.3679 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 53.3382, 0.4200, 0.3679 by changing the saturation by 10% instead.





 53.3382, 0.4200,  
0.3679


 53.3382, 0.4200,  
0.3679


399.5813, 0.3674,  
0.3515


 38.0728, 0.4326,  
0.3710


 95.1018, 0.4012,  
0.3626

 26.0392, 0.4483,  
0.3745

 122.3689, 0.3941,  
0.3605

 16.8530, 0.4685,  
0.3781


 154.4053, 0.3880,  
0.3585

 10.1297, 0.4951,  
0.3813

191.5954, 0.3827,  
0.3568

 5.4851, 0.5309,  
0.3826

234.3237, 0.3781,  
0.3552

 2.5346, 0.6047,  
0.3933

282.9745, 0.3741,

 0.8939, 0.6478,

0.3538

0.3522

337.9323, 0.3705,  
0.3526

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

53.3382, 0.4200,  
0.3679

53.3382, 0.4200,  
0.3679

46.3650, 0.4538,  
0.3750

61.3699, 0.3899,  
0.3596

40.3975, 0.4901,  
0.3797

70.4966, 0.3639,  
0.3508

35.3880, 0.5268,  
0.3807

80.7611, 0.3417,  
0.3422

31.2814, 0.5605,  
0.3771

92.2019, 0.3229,  
0.3339

■ 28.0157, 0.5876, 100.0000, 0.3127,  
0.3686 0.3290

■ 26.9942, 0.5961,  
0.3649

# Harmonies

## Analogous

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



53.3382, 0.4040, 0.3258



53.3382, 0.4200, 0.3679



53.3382, 0.4043, 0.4052

# Triad

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



53.3382, 0.4200, 0.3679



53.3382, 0.2626, 0.3761



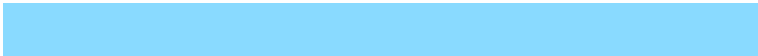
53.3382, 0.2575, 0.2446

# Complementary

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



53.3382, 0.4200, 0.3679



62.6749, 0.2429, 0.2849

# 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.



53.3382, 0.2261, 0.2499



53.3382, 0.4200, 0.3679



53.3382, 0.2284, 0.3219

# Square

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



53.3382, 0.4200, 0.3679



53.3382, 0.3120, 0.4167



53.3382, 0.2159, 0.2761



53.3382, 0.3060, 0.2581



# Rectangle

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



53.3382, 0.4200, 0.3679



53.3382, 0.3795, 0.4217



53.3382, 0.2159, 0.2761



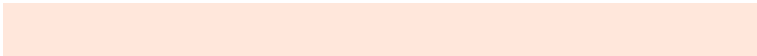
53.3382, 0.2448, 0.2441

# Sweetspot

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



53.3404, 0.4200, 0.3679



83.2609, 0.3371, 0.3402



44.2959, 0.3503, 0.2461



17.3138, 0.3414, 0.3421



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.



53.3404, 0.4200, 0.3679



46.5442, 0.4528, 0.3748



80.4414, 0.3915, 0.4230



18.9165, 0.3286, 0.3365



14.3388, 0.5932, 0.3672

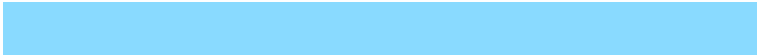


1.5817, 0.5711, 0.3847

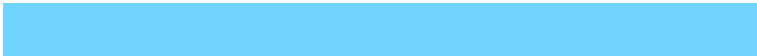


# Inverse Universe

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



62.6749, 0.2429, 0.2849



56.8759, 0.2303, 0.2737



37.8866, 0.2297, 0.2120



19.4639, 0.2980, 0.3214



20.0768, 0.1953, 0.2230



2.1505, 0.1990, 0.2365



# Previews

## White Background



This preview shows how the Yxy color 53.3382, 0.4200, 0.3679 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

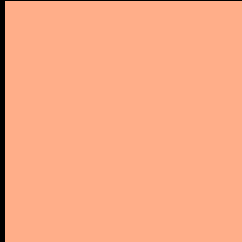
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.3382, 0.4200, 0.3679 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

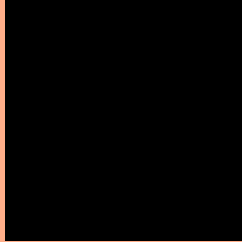
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.3382, 0.4200, 0.3679**

## Background



This preview shows how black text looks on a background with the Yxy color 53.3382, 0.4200, 0.3679.



This preview shows how white text looks on a background with the Yxy color 53.3382, 0.4200, 0.3679.

# 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

53.3382, 0.4200, 0.3679

### Protanopia

53.4497, 0.3621, 0.3878

### Deuteranopia

53.4361, 0.3949, 0.3859



## Tritanopia

53.3868, 0.3799, 0.3166

# Trichromacy



**Original Color**

53.3382, 0.4200, 0.3679

**Protanomaly**

52.9181, 0.3823, 0.3804

**Deuteranomaly**

53.3506, 0.4040, 0.3788

**Tritanomaly**

53.1390, 0.3946, 0.3345

# Monochromacy



**Original Color**

53.3382, 0.4200, 0.3679

**Achromatopsia**

53.9479, 0.3127, 0.3290

**Achromatomaly**

53.1567, 0.3488, 0.3457

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.3382, 0.4200, 0.3679 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, 174, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 137)  
}
```

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, 174, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 53.3382, 0.4200, 0.3679 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, 174, 137) }
```

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

```
.border{ border-color:rgb(255, 174, 137) }
```

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

Here you see how a box with a 4 pixel rgb(255, 174, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.3382, 0.4200, 0.3679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 174, 137) }
```

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

```
.background{ background-color: rgb(255,  
174, 137) }
```

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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