

# Converting Colors

$Y_{xy}(56.3565, 0.4415, 0.3767)$

Have a look what the booklet for  
Yxy(56.3565, 0.4415, 0.3767)  
contains.

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# Color

**Yxy(53.4263, 0.4290, 0.3799)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAF7E
RGB	255, 175, 126
RGB Percent	100%, 69%, 49%
CMY	0.0001, 0.3137, 0.5058
CMYK	0.00, 0.31, 0.51, 0.00
HSL	23°, 100%, 75%
HSV	23°, 51%, 100%
XYZ	60.3314, 53.4263, 26.8749
YIQ	193.3340, 63.4090, 1.7210

# Conversions

## Conversions Part 2

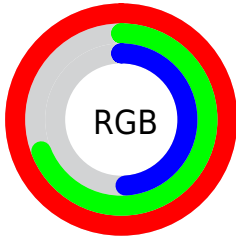
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 205, 126
Decimal	16756606
CIE <sub>Lab</sub>	78.13, 23.99, 36.83
CIE <sub>LCh</sub>	78, 43.955, 56.920
Yxy	53.4263, 0.4290, 0.3799
Android (android.graphics.Color)	4294946686 (0xFFFFAF7E)
YUV	193.3340, -33.1957, 54.0811
Hunter-Lab	73.0933, 19.4210, 29.3656

# Details

The Yxy color **53.4263, 0.4290, 0.3799** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **55.7877, 0.2350, 0.2691**, and the grayscale version is **53.7084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6665, 0.3644, 0.3818**, and **26.0430, 0.4589, 0.3884** is the 20% darker color. If you saturate the color by 10%, you get **47.0534, 0.4614, 0.3877**, and if you desaturate by 10%, it is **60.6928, 0.3993, 0.3703**.

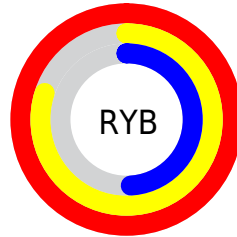
# Distribution



Red (100%)

Green (69%)

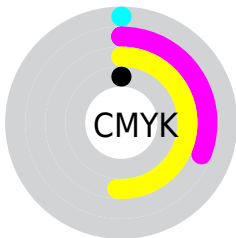
Blue (49%)



Red (100%)

Yellow (80%)

Blue (49%)

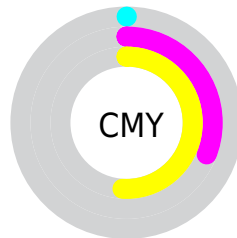


Cyan (0%)

Magenta (31%)

Yellow (51%)

Black (0%)



Cyan (0%)

Magenta (31%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.4263, 0.4290, 0.3799 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 53.4263, 0.4290, 0.3799 by changing the saturation by 10% instead.





 53.4263, 0.4290,  
0.3799

 53.4263, 0.4290,  
0.3799


399.9185, 0.3723,  
0.3582

 38.1432, 0.4423,  
0.3840

 95.2314, 0.4089,  
0.3730

 26.0938, 0.4589,  
0.3885


 122.5221, 0.4012,  
0.3701

 16.8939, 0.4798,  
0.3932


 154.5842, 0.3946,  
0.3675

 10.1588, 0.5066,  
0.3974

191.8020, 0.3890,  
0.3653

 5.5044, 0.5418,  
0.3991

234.5600, 0.3840,  
0.3632

 2.5461, 0.5993,  
0.4007

283.2424, 0.3796,

 0.8997, 0.6392,

0.3614

0.3608

338.2338, 0.3758,  
0.3597

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

53.4263, 0.4290,  
0.3799

53.4263, 0.4290,  
0.3799

47.0534, 0.4614,  
0.3877

60.6928, 0.3993,  
0.3703

41.5285, 0.4950,  
0.3924

68.8801, 0.3730,  
0.3599

36.8130, 0.5277,  
0.3927

78.0239, 0.3501,  
0.3493

32.8613, 0.5565,  
0.3877

88.1557, 0.3304,  
0.3391

■ 29.7840, 0.5786,  
0.3788

99.3051, 0.3136,  
0.3295

99.9964, 0.3127,  
0.3290

# Harmonies

## Analogous

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



53.4263, 0.4194, 0.3346



53.4263, 0.4290, 0.3799



53.4263, 0.4047, 0.4184

# Triad

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



53.4263, 0.4290, 0.3799



53.4263, 0.2482, 0.3682



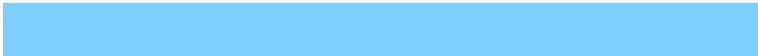
53.4263, 0.2625, 0.2392

# Complementary

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



53.4263, 0.4290, 0.3799



55.7877, 0.2350, 0.2691

# Split Complementary

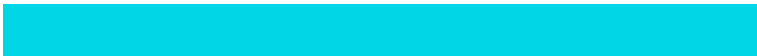
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



53.4263, 0.2242, 0.2400



53.4263, 0.4290, 0.3799



53.4263, 0.2162, 0.3085

# Square

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



53.4263, 0.4290, 0.3799



53.4263, 0.2991, 0.4187



53.4263, 0.2082, 0.2630



53.4263, 0.3179, 0.2577



# Rectangle

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



53.4263, 0.4290, 0.3799



53.4263, 0.3744, 0.4336



53.4263, 0.2082, 0.2630



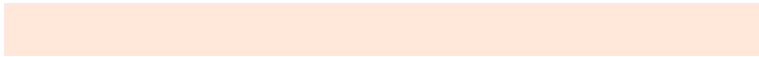
53.4263, 0.2474, 0.2371

# Sweetspot

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



53.4289, 0.4290, 0.3799



83.5673, 0.3387, 0.3436



40.7203, 0.3640, 0.2469



17.4318, 0.3429, 0.3457



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.



53.4289, 0.4290, 0.3799



46.8121, 0.4628, 0.3880



83.7872, 0.3949, 0.4381



19.1182, 0.3285, 0.3381



15.8302, 0.5756, 0.3811

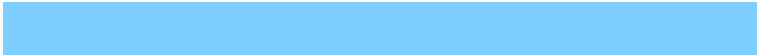


1.7441, 0.5544, 0.3980

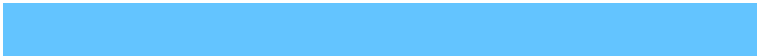


# Inverse Universe

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



55.7877, 0.2350, 0.2691



49.3318, 0.2213, 0.2541



31.3629, 0.2191, 0.1883



19.2539, 0.2979, 0.3197



16.8673, 0.1887, 0.1992



1.8533, 0.1932, 0.2155



# Previews

## White Background



This preview shows how the Yxy color 53.4263, 0.4290, 0.3799 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 53.4263, 0.4290, 0.3799 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

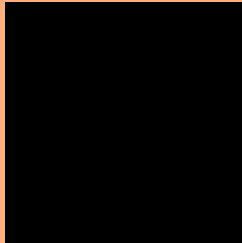
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.4263, 0.4290, 0.3799**

## Background



This preview shows how black text looks on a background with the Yxy color 53.4263, 0.4290, 0.3799.



This preview shows how white text looks on a background with the Yxy color 53.4263, 0.4290, 0.3799.

# 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

53.4263, 0.4290, 0.3799

### Protanopia

53.3887, 0.3733, 0.4018

### Deuteranopia

53.4768, 0.4056, 0.3974



## Tritanopia

53.3868, 0.3799, 0.3166

# Trichromacy



**Original Color**

53.4263, 0.4290, 0.3799

**Protanomaly**

52.8983, 0.3940, 0.3936

**Deuteranomaly**

53.2292, 0.4141, 0.3902

**Tritanomaly**

53.3737, 0.3980, 0.3398

# Monochromacy



**Original Color**

53.4263, 0.4290, 0.3799

**Achromatopsia**

53.3276, 0.3127, 0.3290

**Achromatomaly**

52.5813, 0.3524, 0.3494

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.4263, 0.4290, 0.3799 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, 175, 126)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 126)  
}
```

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, 175, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 53.4263, 0.4290, 0.3799 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, 175, 126) }
```

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

```
.border{ border-color:rgb(255, 175, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 175, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 126);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
126) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.4263, 0.4290, 0.3799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 126) }
```

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

```
.background{ background-color: rgb(255,  
175, 126) }
```

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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