

# Converting Colors

Yxy(53.3686, 0.3331, 0.4056)

Have a look what the booklet for  
Yxy(53.3686, 0.3331, 0.4056)  
contains.

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# Color

**Yxy(53.3686, 0.3331, 0.4056)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AFCA90
RGB	175, 202, 144
RGB Percent	69%, 79%, 56%
CMY	0.3139, 0.2078, 0.4352
CMYK	0.13, 0.00, 0.29, 0.21
HSL	88°, 35%, 68%
HSV	88°, 29%, 79%
XYZ	43.8291, 53.3686, 34.3817
YIQ	187.3150, 2.5260, -23.7620

# Conversions

## Conversions Part 2

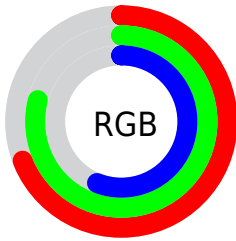
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 202, 171
Decimal	11520656
CIELab	78.09, -19.28, 26.04
CIELCh	78, 32.398, 126.523
Yxy	53.3686, 0.3331, 0.4056
Android (android.graphics.Color)	4289710736 (0xFFAFC9A0)
YUV	187.3150, -21.3543, -10.8003
Hunter-Lab	73.0538, -20.7520, 23.2337

# Details

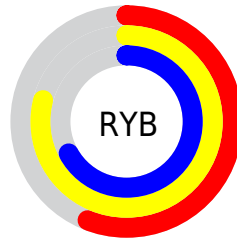
The Yxy color **53.3686, 0.3331, 0.4056** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.8802, 0.2868, 0.2518**, and the grayscale version is **50.0018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5861, 0.3307, 0.3880**, and **26.1077, 0.3375, 0.4279** is the 20% darker color. If you saturate the color by 10%, you get **51.7554, 0.3393, 0.4349**, and if you desaturate by 10%, it is **55.1730, 0.3262, 0.3773**.

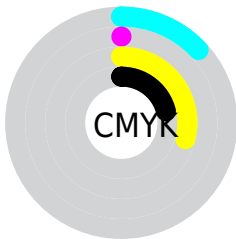
# Distribution



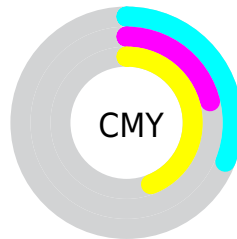
- Red (69%)
- Green (79%)
- Blue (56%)



- Red (56%)
- Yellow (79%)
- Blue (67%)



- Cyan (13%)
- Magenta (0%)
- Yellow (29%)
- Black (21%)




- Cyan (31%)
- Magenta (21%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3686, 0.3331, 0.4056 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 53.3686, 0.3331, 0.4056 by changing the saturation by 10% instead.




 53.3686, 0.3331,  
0.4056


 53.3686, 0.3331,  
0.4056


399.6977, 0.3240,  
0.3670

 38.0971, 0.3350,  
0.4153


 95.1465, 0.3300,  
0.3915

 26.0581, 0.3372,  
0.4277


 122.4218, 0.3288,  
0.3862

 16.8671, 0.3398,  
0.4442


154.4670, 0.3277,  
0.3818

 10.1398, 0.3426,  
0.4670

191.6667, 0.3268,  
0.3780

 5.4917, 0.3449,  
0.5002

234.4052, 0.3260,  
0.3747

 2.5386, 0.3531,  
0.5665

283.0670, 0.3252,

 0.8959, 0.2983,

0.3718

0.7017

338.0363, 0.3246,  
0.3692

0.0000, 0.0000,  
0.0000

53.3686, 0.3331,  
0.4056

53.3686, 0.3331,  
0.4056

51.7554, 0.3393,  
0.4349

55.1730, 0.3262,  
0.3773

50.3190, 0.3445,  
0.4642

57.1687, 0.3190,  
0.3506

49.0537, 0.3481,  
0.4923

59.3644, 0.3118,  
0.3259

47.9507, 0.3497,  
0.5177

61.7664, 0.3047,  
0.3034

47.0002, 0.3491,  
0.5390

64.3805, 0.2980,  
0.2831

■ 46.1908, 0.3463,  
0.5552

■ 66.5365, 0.2981,  
0.2744

■ 45.5055, 0.3415,  
0.5662

■ 68.1508, 0.3049,  
0.2755

■ 45.4232, 0.3409,  
0.5675

■ 69.8508, 0.3117,  
0.2766

■ 70.7266, 0.3151,  
0.2772

# Harmonies

## Analogous

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



53.3686, 0.3721, 0.4023



53.3686, 0.3331, 0.4056



53.3686, 0.2903, 0.3838

# Triad

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



53.3686, 0.3331, 0.4056



53.3686, 0.2353, 0.2728



53.3686, 0.3722, 0.3114

# Complementary

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



53.3686, 0.3331, 0.4056



32.8802, 0.2868, 0.2518

# 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.



53.3686, 0.3315, 0.2821



53.3686, 0.3331, 0.4056



53.3686, 0.2536, 0.2597

# Square

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



53.3686, 0.3331, 0.4056



53.3686, 0.2358, 0.3027



53.3686, 0.2880, 0.2636



53.3686, 0.3963, 0.3460



# Rectangle

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



53.3686, 0.3331, 0.4056



53.3686, 0.2655, 0.3584



53.3686, 0.2880, 0.2636



53.3686, 0.3598, 0.3007

# Sweetspot

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



53.3709, 0.3331, 0.4056



96.6356, 0.3193, 0.3517



43.3642, 0.3661, 0.3625



20.5733, 0.3204, 0.3555



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

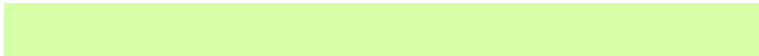


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.3709, 0.3331, 0.4056



88.7408, 0.3368, 0.4224



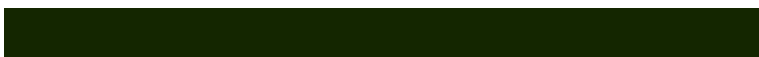
50.4558, 0.3110, 0.4110



12.8268, 0.3195, 0.3524



29.2789, 0.3418, 0.5668



1.5554, 0.3563, 0.5553



# Inverse Universe

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



32.8802, 0.2868, 0.2518



48.8518, 0.2802, 0.2347



36.3732, 0.3132, 0.2577



11.0961, 0.3054, 0.3056



4.3338, 0.1967, 0.0857



0.2686, 0.2188, 0.0979



# Previews

## White Background



This preview shows how the Yxy color 53.3686, 0.3331, 0.4056 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 53.3686, 0.3331, 0.4056 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

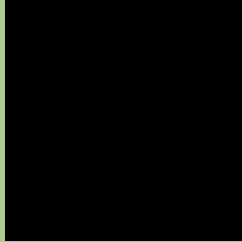
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.3686, 0.3331, 0.4056**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.3686, 0.3331, 0.4056.



This preview shows how white text looks on a background with the Yxy color 53.3686, 0.3331, 0.4056.

# 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

53.3686, 0.3331, 0.4056

### Protanopia

53.2988, 0.3661, 0.3939

### Deuteranopia

53.0048, 0.3795, 0.3721



## Tritanopia

53.3774, 0.2942, 0.3105

# Trichromacy



**Original Color**

53.3686, 0.3331, 0.4056

**Protanomaly**

53.0050, 0.3538, 0.3985

**Deuteranomaly**

52.6336, 0.3612, 0.3830

**Tritanomaly**

53.2590, 0.3089, 0.3443

# Monochromacy



**Original Color**

53.3686, 0.3331, 0.4056

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

50.7068, 0.3213, 0.3562

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.3686, 0.3331, 0.4056 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(175, 202, 144)` looks like.

```
.text, #text, p{  
    color:rgb(175, 202, 144)  
}
```

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(175, 202, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 202, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 53.3686, 0.3331, 0.4056 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(175, 202, 144) }
```

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

```
.border{ border-color:rgb(175, 202, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 202, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 202, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 202, 144);  
box-shadow:4px 4px 4px 4px rgb(175, 202,  
144) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.3686, 0.3331, 0.4056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 202, 144) }
```

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

```
.background{ background-color: rgb(175,  
202, 144) }
```

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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