

# Converting Colors

Yxy(53.8114, 0.3167, 0.4022)

Have a look what the booklet for  
Yxy(53.8114, 0.3167, 0.4022)  
contains.

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**Color**

**Yxy(53.9540, 0.3166, 0.4033)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1CE97
RGB	161, 206, 151
RGB Percent	63%, 81%, 59%
CMY	0.3687, 0.1921, 0.4077
CMYK	0.22, 0.00, 0.27, 0.19
HSL	109°, 36%, 70%
HSV	109°, 27%, 81%
XYZ	42.3552, 53.9540, 37.4721
YIQ	186.2750, -9.1650, -26.6450

# Conversions

## Conversions Part 2

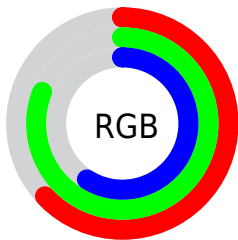
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 206, 196
Decimal	10604183
CIELab	78.43, -25.14, 22.66
CIELCh	78, 33.846, 137.965
Yxy	53.9540, 0.3166, 0.4033
Android (android.graphics.Color)	4288794263 (0xFFA1CE97)
YUV	186.2750, -17.3906, -22.1662
Hunter-Lab	73.4534, -25.6156, 21.1707

# Details

The Yxy color **53.9540, 0.3166, 0.4033** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.3416, 0.3066, 0.2613**, and the grayscale version is **49.3694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6795, 0.3176, 0.3820**, and **26.5647, 0.3158, 0.4256** is the 20% darker color. If you saturate the color by 10%, you get **51.7084, 0.3174, 0.4359**, and if you desaturate by 10%, it is **56.5576, 0.3154, 0.3730**.

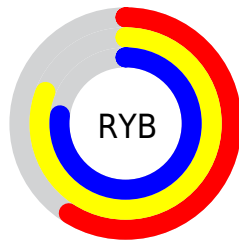
# Distribution



Red (63%)

Green (81%)

Blue (59%)



Red (59%)

Yellow (81%)

Blue (77%)

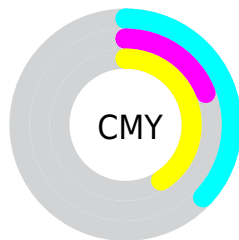


Cyan (22%)

Magenta (0%)

Yellow (27%)

Black (19%)



Cyan (37%)

Magenta (19%)

Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.9540, 0.3166, 0.4033 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 53.9540, 0.3166, 0.4033 by changing the saturation by 10% instead.




 53.9540, 0.3166,  
0.4033

 53.9540, 0.3166,  
0.4033


401.9346, 0.3155,  
0.3656

 38.5649, 0.3166,  
0.4129


 96.0067, 0.3164,  
0.3895

 26.4214, 0.3164,  
0.4252


 123.4391, 0.3163,  
0.3843

 17.1392, 0.3158,  
0.4417


155.6547, 0.3162,  
0.3800

 10.3338, 0.3144,  
0.4647

193.0379, 0.3160,  
0.3763

 5.6208, 0.3111,  
0.4991

235.9731, 0.3159,  
0.3730

 2.6159, 0.3046,  
0.5591

284.8446, 0.3158,

 0.9347, 0.2266,

0.3702

0.7734

340.0370, 0.3157,  
0.3678

0.0000, 0.0000,  
0.0000

53.9540, 0.3166,  
0.4033

53.9540, 0.3166,  
0.4033

51.7084, 0.3174,  
0.4359

56.5576, 0.3154,  
0.3730

49.7984, 0.3176,  
0.4698

59.5268, 0.3138,  
0.3456

48.2097, 0.3170,  
0.5033

62.8776, 0.3121,  
0.3212

46.9241, 0.3155,  
0.5345

66.6230, 0.3104,  
0.2998

45.9217, 0.3132,  
0.5609

70.7754, 0.3086,  
0.2810

■ 45.1799, 0.3100,  
0.5806

■ 72.6251, 0.3150,  
0.2811

■ 44.6716, 0.3065,  
0.5927

■ 44.5443, 0.3055,  
0.5956

# Harmonies

## Analogous

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



53.9540, 0.3601, 0.4096



53.9540, 0.3166, 0.4033



53.9540, 0.2739, 0.3717

# Triad

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



53.9540, 0.3166, 0.4033



53.9540, 0.2374, 0.2632



53.9540, 0.3869, 0.3240

# Complementary

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



53.9540, 0.3166, 0.4033



38.3416, 0.3066, 0.2613

# 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.



53.9540, 0.3495, 0.2908



53.9540, 0.3166, 0.4033



53.9540, 0.2632, 0.2566

# Square

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



53.9540, 0.3166, 0.4033



53.9540, 0.2303, 0.2877



53.9540, 0.3036, 0.2669



53.9540, 0.4027, 0.3602



# Rectangle

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



53.9540, 0.3166, 0.4033



53.9540, 0.2515, 0.3425



53.9540, 0.3036, 0.2669



53.9540, 0.3763, 0.3122

# Sweetspot

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



53.9563, 0.3166, 0.4033



95.7234, 0.3141, 0.3493



54.8046, 0.3556, 0.3839



20.3263, 0.3143, 0.3534



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

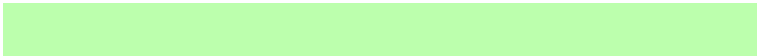


# Same Dimension

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



53.9563, 0.3166, 0.4033



85.2670, 0.3171, 0.4217



53.5708, 0.2977, 0.3802



12.6331, 0.3143, 0.3528



27.4580, 0.3062, 0.5951



1.4470, 0.3186, 0.5852



# Inverse Universe

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



38.3416, 0.3066, 0.2613



55.8244, 0.3048, 0.2463



38.9222, 0.3319, 0.2828



11.2970, 0.3109, 0.3060



7.9553, 0.2758, 0.1293



0.4379, 0.2851, 0.1344



# Previews

## White Background



This preview shows how the Yxy color 53.9540, 0.3166, 0.4033 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 53.9540, 0.3166, 0.4033 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 53.9540, 0.3166, 0.4033**

## Background



This preview shows how black text looks on a background with the Yxy color 53.9540, 0.3166, 0.4033.



This preview shows how white text looks on a background with the Yxy color 53.9540, 0.3166, 0.4033.

# 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

53.9540, 0.3166, 0.4033

### Protanopia

53.4497, 0.3621, 0.3878

### Deuteranopia

53.4919, 0.3722, 0.3652



## Tritanopia

53.9011, 0.2816, 0.3090

# Trichromacy



## Original Color

53.9540, 0.3166, 0.4033

## Protanomaly

53.4419, 0.3444, 0.3941

## Deuteranomaly

53.0296, 0.3506, 0.3774

## Tritanomaly

53.7504, 0.2941, 0.3419

# Monochromacy



## Original Color

53.9540, 0.3166, 0.4033

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

50.5042, 0.3147, 0.3552

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.9540, 0.3166, 0.4033 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(161, 206, 151)` looks like.

```
.text, #text, p{  
    color:rgb(161, 206, 151)  
}
```

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(161, 206, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 206, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 53.9540, 0.3166, 0.4033 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(161, 206, 151) }
```

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

```
.border{ border-color:rgb(161, 206, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 206, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 206, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 206, 151);  
box-shadow:4px 4px 4px 4px rgb(161, 206,  
151) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.9540, 0.3166, 0.4033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 206, 151) }
```

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

```
.background{ background-color: rgb(161,  
206, 151) }
```

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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