

# Converting Colors

Yxy(53.9602, 0.3264, 0.3912)

Have a look what the booklet for  
Yxy(53.9602, 0.3264, 0.3912)  
contains.

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# Color

**Yxy(53.8377, 0.3261, 0.3907)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0CA9B
RGB	176, 202, 155
RGB Percent	69%, 79%, 61%
CMY	0.3099, 0.2078, 0.3922
CMYK	0.13, 0.00, 0.23, 0.21
HSL	93°, 31%, 70%
HSV	93°, 23%, 79%
XYZ	44.9359, 53.8377, 39.0244
YIQ	188.8680, -0.4090, -20.1290

# Conversions

## Conversions Part 2

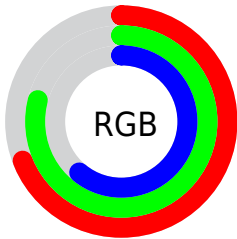
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 202, 181
Decimal	11586203
CIELab	78.37, -17.24, 20.64
CIELCh	78, 26.891, 129.879
Yxy	53.8377, 0.3261, 0.3907
Android (android.graphics.Color)	4289776283 (0xFFB0CA9B)
YUV	188.8680, -16.6969, -11.2852
Hunter-Lab	73.3742, -19.0875, 19.8283

# Details

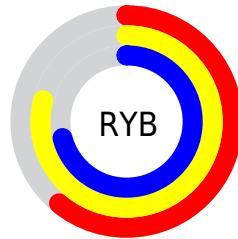
The Yxy color **53.8377, 0.3261, 0.3907** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.5268, 0.2962, 0.2682**, and the grayscale version is **50.9050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3289, 0.3243, 0.3752**, and **26.3902, 0.3285, 0.4078** is the 20% darker color. If you saturate the color by 10%, you get **51.9670, 0.3313, 0.4203**, and if you desaturate by 10%, it is **55.9340, 0.3205, 0.3628**.

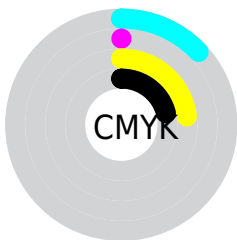
# Distribution



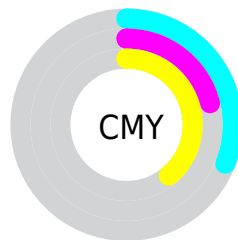
- Red (69%)
- Green (79%)
- Blue (61%)



- Red (61%)
- Yellow (79%)
- Blue (71%)



- Cyan (13%)
- Magenta (0%)
- Yellow (23%)
- Black (21%)



- Cyan (31%)
- Magenta (21%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8377, 0.3261, 0.3907 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 53.8377, 0.3261, 0.3907 by changing the saturation by 10% instead.





 53.8377, 0.3261,  
0.3907

 53.8377, 0.3261,  
0.3907

401.4908, 0.3201,  
0.3597

 38.4719, 0.3274,  
0.3985


 95.8359, 0.3241,  
0.3794

 26.3492, 0.3289,  
0.4084


 123.2371, 0.3233,  
0.3752

 17.0850, 0.3306,  
0.4217


155.4189, 0.3226,  
0.3716

 10.2951, 0.3326,  
0.4401

192.7657, 0.3220,  
0.3685

 5.5951, 0.3345,  
0.4673

235.6619, 0.3214,  
0.3659

 2.6005, 0.3359,  
0.5122

284.4919, 0.3209,

 0.9269, 0.3314,

0.3636

0.6686

339.6401, 0.3205,  
0.3615

0.0000, 0.0000,  
0.0000

53.8377, 0.3261,  
0.3907

53.8377, 0.3261,  
0.3907

51.9670, 0.3313,  
0.4203

55.9340, 0.3205,  
0.3628

50.3068, 0.3356,  
0.4508

58.2566, 0.3146,  
0.3370

48.8504, 0.3387,  
0.4811

60.8152, 0.3088,  
0.3135

47.5884, 0.3402,  
0.5097

63.6168, 0.3032,  
0.2924

46.5104, 0.3397,  
0.5348

66.6044, 0.2984,  
0.2745

■ 45.6045, 0.3372,  
0.5552

■ 68.5346, 0.3065,  
0.2758

■ 44.8571, 0.3328,  
0.5697

■ 70.5861, 0.3146,  
0.2771

■ 44.4296, 0.3292,  
0.5768

■ 70.7267, 0.3151,  
0.2772

# Harmonies

## Analogous

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



53.8377, 0.3592, 0.3910



53.8377, 0.3261, 0.3907



53.8377, 0.2907, 0.3707

# Triad

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



53.8377, 0.3261, 0.3907



53.8377, 0.2488, 0.2805



53.8377, 0.3649, 0.3177

# Complementary

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



53.8377, 0.3261, 0.3907



37.5268, 0.2962, 0.2682

# 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.



53.8377, 0.3326, 0.2921



53.8377, 0.3261, 0.3907



53.8377, 0.2661, 0.2706

# Square

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



53.8377, 0.3261, 0.3907



53.8377, 0.2474, 0.3043



53.8377, 0.2962, 0.2751



53.8377, 0.3828, 0.3471



# Rectangle

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



53.8377, 0.3261, 0.3907



53.8377, 0.2705, 0.3494



53.8377, 0.2962, 0.2751



53.8377, 0.3553, 0.3085

# Sweetspot

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



53.8400, 0.3261, 0.3907



97.0770, 0.3169, 0.3465



47.9101, 0.3531, 0.3617



20.7265, 0.3172, 0.3481



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

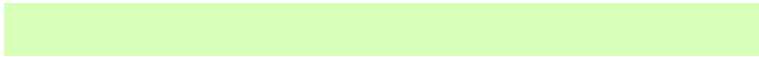


# Same Dimension

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



53.8400, 0.3261, 0.3907



89.4830, 0.3288, 0.4056



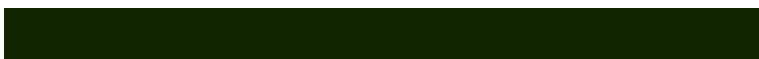
51.6591, 0.3081, 0.3905



12.7780, 0.3182, 0.3525



28.6373, 0.3302, 0.5760



1.5221, 0.3457, 0.5637



# Inverse Universe

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



37.5268, 0.2962, 0.2682



57.0429, 0.2917, 0.2538



40.1488, 0.3175, 0.2743



11.1450, 0.3068, 0.3057



5.0067, 0.2139, 0.0952



0.3029, 0.2342, 0.1064



# Previews

## White Background



This preview shows how the Yxy color 53.8377, 0.3261, 0.3907 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 53.8377, 0.3261, 0.3907 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

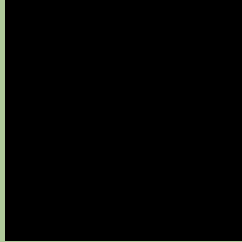
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.8377, 0.3261, 0.3907**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.8377, 0.3261, 0.3907.



This preview shows how white text looks on a background with the Yxy color 53.8377, 0.3261, 0.3907.

# 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

53.8377, 0.3261, 0.3907

### Protanopia

53.4961, 0.3565, 0.3806

### Deuteranopia

53.4337, 0.3688, 0.3618



## Tritanopia

53.8737, 0.2935, 0.3106

# Trichromacy



## Original Color

53.8377, 0.3261, 0.3907

## Protanomaly

53.3490, 0.3453, 0.3845

## Deuteranomaly

53.3990, 0.3528, 0.3719

## Tritanomaly

53.9296, 0.3052, 0.3391

# Monochromacy



## Original Color

53.8377, 0.3261, 0.3907

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

51.9482, 0.3173, 0.3508

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.8377, 0.3261, 0.3907 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(176, 202, 155)` looks like.

```
.text, #text, p{  
    color:rgb(176, 202, 155)  
}
```

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(176, 202, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 202, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 53.8377, 0.3261, 0.3907 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(176, 202, 155) }
```

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

```
.border{ border-color:rgb(176, 202, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 202, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 202, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 202, 155);  
box-shadow:4px 4px 4px 4px rgb(176, 202,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.8377, 0.3261, 0.3907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 202, 155) }
```

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

```
.background{ background-color: rgb(176,  
202, 155) }
```

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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