

# Converting Colors

$Yxy(53.5130, 0.3257, 0.3888)$

Have a look what the booklet for  
Yxy(53.5130, 0.3257, 0.3888)  
contains.

<b>Yxy(53.4037, 0.3255, 0.3881)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(53.4037, 0.3255, 0.3881)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0C99C
RGB	176, 201, 156
RGB Percent	69%, 79%, 61%
CMY	0.3099, 0.2117, 0.3881
CMYK	0.12, 0.00, 0.22, 0.21
HSL	93°, 29%, 70%
HSV	93°, 22%, 79%
XYZ	44.7898, 53.4037, 39.4095
YIQ	188.3950, -0.4550, -19.2950

# Conversions

## Conversions Part 2

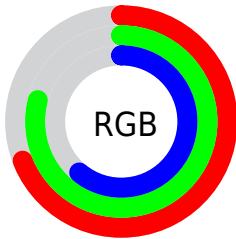
Format	Color
<b>RYB</b>	156, 201, 181
Decimal	11585948
CIELab	78.11, -16.57, 19.73
CIELCh	78, 25.766, 130.019
Yxy	53.4037, 0.3255, 0.3881
Android (android.graphics.Color)	4289776028 (0xFFB0C99C)
YUV	188.3950, -15.9707, -10.8704
Hunter-Lab	73.0778, -18.4827, 19.1805

# Details

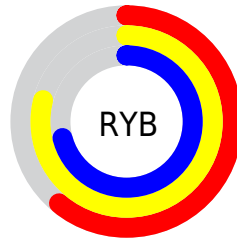
The Yxy color **53.4037, 0.3255, 0.3881** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.8325, 0.2971, 0.2708**, and the grayscale version is **50.6187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3790, 0.3237, 0.3742**, and **26.0983, 0.3277, 0.4044** is the 20% darker color. If you saturate the color by 10%, you get **51.5300, 0.3307, 0.4176**, and if you desaturate by 10%, it is **55.5021, 0.3199, 0.3603**.

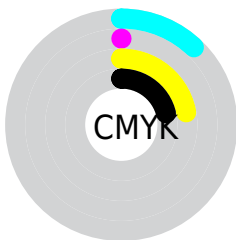
# Distribution



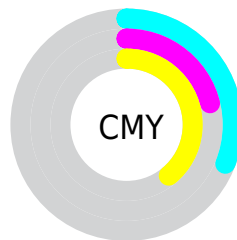
- Red (69%)
- Green (79%)
- Blue (61%)



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



- Cyan (12%)
- Magenta (0%)
- Yellow (22%)
- Black (21%)




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.4037, 0.3255, 0.3881 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 53.4037, 0.3255, 0.3881 by changing the saturation by 10% instead.





 53.4037, 0.3255,  
0.3881


 53.4037, 0.3255,  
0.3881


399.8320, 0.3197,  
0.3584

 38.1251, 0.3267,  
0.3955


 95.1981, 0.3236,  
0.3773

 26.0798, 0.3282,  
0.4051


 122.4828, 0.3228,  
0.3732

 16.8834, 0.3299,  
0.4179


154.5383, 0.3221,  
0.3698

 10.1514, 0.3319,  
0.4356

191.7490, 0.3215,  
0.3669

 5.4994, 0.3339,  
0.4618

234.4994, 0.3210,  
0.3643

 2.5432, 0.3353,  
0.5050

283.1737, 0.3205,

 0.8982, 0.3334,

0.3621

0.6666

338.1565, 0.3201,  
0.3601

0.0000, 0.0000,  
0.0000

53.4037, 0.3255,  
0.3881

53.4037, 0.3255,  
0.3881

51.5300, 0.3307,  
0.4176

55.5021, 0.3199,  
0.3603

49.8660, 0.3350,  
0.4481

57.8260, 0.3141,  
0.3347

48.4053, 0.3382,  
0.4785

60.3849, 0.3083,  
0.3115

47.1385, 0.3398,  
0.5073


63.1857, 0.3027,  
0.2906


46.0554, 0.3395,  
0.5329


66.1362, 0.2984,  
0.2734

 45.1444, 0.3372,  
0.5538

 68.0667, 0.3065,  
0.2748

 44.3922, 0.3329,  
0.5689

 70.1185, 0.3147,  
0.2761

 43.9094, 0.3289,  
0.5771

 70.2572, 0.3152,  
0.2762

# Harmonies

## Analogous

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



53.4037, 0.3573, 0.3886



53.4037, 0.3255, 0.3881



53.4037, 0.2915, 0.3688

# Triad

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



53.4037, 0.3255, 0.3881



53.4037, 0.2512, 0.2823



53.4037, 0.3630, 0.3183

# Complementary

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



53.4037, 0.3255, 0.3881



37.8325, 0.2971, 0.2708

# 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.



53.4037, 0.3320, 0.2935



53.4037, 0.3255, 0.3881



53.4037, 0.2680, 0.2728

# Square

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



53.4037, 0.3255, 0.3881



53.4037, 0.2498, 0.3053



53.4037, 0.2970, 0.2772



53.4037, 0.3800, 0.3467



# Rectangle

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



53.4037, 0.3255, 0.3881



53.4037, 0.2720, 0.3485



53.4037, 0.2970, 0.2772



53.4037, 0.3538, 0.3094

# Sweetspot

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



53.4060, 0.3255, 0.3881



97.0680, 0.3168, 0.3465



47.7722, 0.3513, 0.3604



20.7244, 0.3172, 0.3481



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

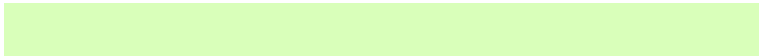


# Same Dimension

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



53.4060, 0.3255, 0.3881



89.7762, 0.3282, 0.4027



51.3255, 0.3083, 0.3878



12.1143, 0.3182, 0.3524



27.6585, 0.3299, 0.5762



1.3524, 0.3466, 0.5630



# Inverse Universe

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



37.8325, 0.2971, 0.2708



58.3216, 0.2928, 0.2567



40.3159, 0.3173, 0.2765



10.5735, 0.3068, 0.3057



4.8657, 0.2146, 0.0956

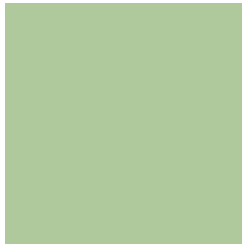


0.2728, 0.2362, 0.1075



# Previews

## White Background



This preview shows how the Yxy color 53.4037, 0.3255, 0.3881 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 53.4037, 0.3255, 0.3881 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

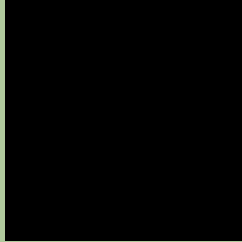
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.4037, 0.3255, 0.3881**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.4037, 0.3255, 0.3881.



This preview shows how white text looks on a background with the Yxy color 53.4037, 0.3255, 0.3881.

# 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

53.4037, 0.3255, 0.3881

### Protanopia

52.9454, 0.3551, 0.3783

### Deuteranopia

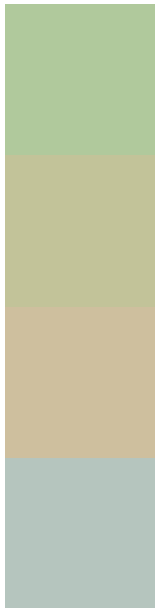
52.8891, 0.3674, 0.3596



## Tritanopia

53.3774, 0.2942, 0.3105

# Trichromacy



**Original Color**

53.4037, 0.3255, 0.3881

**Protanomaly**

52.7995, 0.3440, 0.3822

**Deuteranomaly**

52.8520, 0.3514, 0.3696

**Tritanomaly**

53.4740, 0.3053, 0.3378

# Monochromacy



**Original Color**

53.4037, 0.3255, 0.3881

**Achromatopsia**

50.2886, 0.3127, 0.3290

**Achromatomaly**

51.4649, 0.3182, 0.3508

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.4037, 0.3255, 0.3881 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, 201, 156)` looks like.

```
.text, #text, p{  
    color:rgb(176, 201, 156)  
}
```

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, 201, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 201, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 53.4037, 0.3255, 0.3881 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, 201, 156) }
```

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

```
.border{ border-color:rgb(176, 201, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 201, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 201, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 201, 156);  
box-shadow:4px 4px 4px 4px rgb(176, 201,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.4037, 0.3255, 0.3881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 201, 156) }
```

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

```
.background{ background-color: rgb(176,  
201, 156) }
```

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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