

# Converting Colors

$Yxy(55.6136, 0.3336, 0.3767)$

Have a look what the booklet for  
Yxy(55.6136, 0.3336, 0.3767)  
contains.

<b>Yxy(55.6241, 0.3335, 0.3767)</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(55.6241, 0.3335, 0.3767)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0C9A3
RGB	192, 201, 163
RGB Percent	75%, 79%, 64%
CMY	0.2469, 0.2118, 0.3608
CMYK	0.04, 0.00, 0.19, 0.21
HSL	74°, 26%, 71%
HSV	74°, 19%, 79%
XYZ	49.2451, 55.6241, 42.7923
YIQ	193.9770, 6.8340, -13.7260

# Conversions

## Conversions Part 2

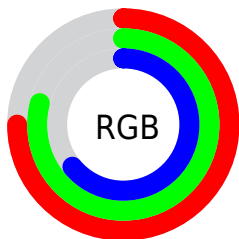
Format	Color
<a href="#">RYB</a>	<a href="#">163, 201, 172</a>
Decimal	<a href="#">12634531</a>
CIELab	<a href="#">79.40, -9.62, 17.98</a>
CIELCh	<a href="#">79, 20.394, 118.140</a>
Yxy	<a href="#">55.6241, 0.3335, 0.3767</a>
Android (android.graphics.Color)	<a href="#">4290824611 (0xFFC0C9A3)</a>
YUV	<a href="#">193.9770, -15.2717, -1.7338</a>
Hunter-Lab	<a href="#">74.5816, -12.6568, 18.1886</a>

# Details

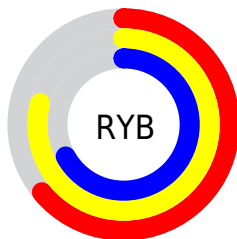
The Yxy color **55.6241, 0.3335, 0.3767** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.1768, 0.2893, 0.2789**, and the grayscale version is **54.0289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7217, 0.3306, 0.3656**, and **27.4184, 0.3384, 0.3901** is the 20% darker color. If you saturate the color by 10%, you get **54.3545, 0.3444, 0.4034**, and if you desaturate by 10%, it is **57.0330, 0.3224, 0.3509**.

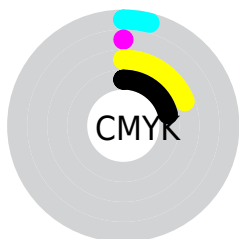
# Distribution



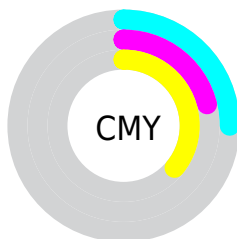
- Red (75%)
- Green (79%)
- Blue (64%)



- Red (64%)
- Yellow (79%)
- Blue (67%)



- Cyan (4%)
- Magenta (0%)
- Yellow (19%)
- Black (21%)




- Cyan (25%)
- Magenta (21%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.6241, 0.3335, 0.3767 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 55.6241, 0.3335, 0.3767 by changing the saturation by 10% instead.




 55.6241, 0.3335,  
0.3767


 55.6241, 0.3335,  
0.3767


408.2733, 0.3237,  
0.3531

 39.9016, 0.3358,  
0.3825


 98.4548, 0.3301,  
0.3682

 27.4618, 0.3386,  
0.3898


 126.3317, 0.3287,  
0.3650

 17.9204, 0.3422,  
0.3995


159.0290, 0.3276,  
0.3623

 10.8928, 0.3468,  
0.4128

196.9309, 0.3266,  
0.3599

 5.9948, 0.3530,  
0.4320

240.4219, 0.3257,  
0.3579

 2.8419, 0.3613,  
0.4621

289.8864, 0.3250,

 1.0498, 0.4181,

0.3561

0.5819

345.7087, 0.3243,  
0.3545

0.0000, 0.0000,  
0.0000

55.6241, 0.3335,  
0.3767

55.6241, 0.3335,  
0.3767

54.3545, 0.3444,  
0.4034

57.0330, 0.3224,  
0.3509

53.2112, 0.3546,  
0.4301

58.5790, 0.3115,  
0.3264

52.1906, 0.3638,  
0.4559

60.2696, 0.3010,  
0.3036

51.2863, 0.3713,  
0.4798

62.1092, 0.2911,  
0.2826

50.4909, 0.3767,  
0.5006

63.5429, 0.2870,  
0.2715

■ 49.7961, 0.3797,  
0.5173

■ 64.2726, 0.2903,  
0.2720

■ 49.1925, 0.3801,  
0.5294

■ 65.0232, 0.2936,  
0.2726

■ 48.6640, 0.3783,  
0.5373

■ 65.7949, 0.2970,  
0.2732

■ 48.6081, 0.3780,  
0.5380

■ 66.5878, 0.3004,  
0.2737

# Harmonies

## Analogous

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



55.6241, 0.3554, 0.3721



55.6241, 0.3335, 0.3767



55.6241, 0.3067, 0.3671

# Triad

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



55.6241, 0.3335, 0.3767



55.6241, 0.2622, 0.2987



55.6241, 0.3433, 0.3124

# Complementary

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



55.6241, 0.3335, 0.3767



39.1768, 0.2893, 0.2789

# 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.



55.6241, 0.3171, 0.2948



55.6241, 0.3335, 0.3767



55.6241, 0.2709, 0.2864

# Square

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



55.6241, 0.3335, 0.3767



55.6241, 0.2662, 0.3203



55.6241, 0.2906, 0.2853



55.6241, 0.3615, 0.3345



# Rectangle

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



55.6241, 0.3335, 0.3767



55.6241, 0.2897, 0.3538



55.6241, 0.2906, 0.2853



55.6241, 0.3351, 0.3058

# Sweetspot

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



55.6265, 0.3335, 0.3767



98.3768, 0.3193, 0.3438



44.5153, 0.3473, 0.3404



21.0200, 0.3201, 0.3455



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

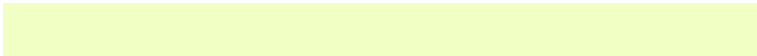


# Same Dimension

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



55.6265, 0.3335, 0.3767



94.2567, 0.3384, 0.3884



53.3130, 0.3182, 0.3790



12.2864, 0.3230, 0.3521



30.6094, 0.3786, 0.5376



1.4808, 0.3875, 0.5305



# Inverse Universe

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



39.1768, 0.2893, 0.2789



60.5823, 0.2829, 0.2657



41.4707, 0.3058, 0.2813



10.4060, 0.3019, 0.3054



3.0715, 0.1637, 0.0676



0.1798, 0.1857, 0.0797



# Previews

## White Background



This preview shows how the Yxy color 55.6241, 0.3335, 0.3767 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 55.6241, 0.3335, 0.3767 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

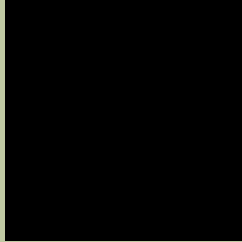
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

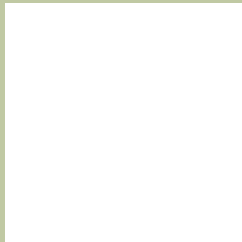
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.6241, 0.3335, 0.3767**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.6241, 0.3335, 0.3767.



This preview shows how white text looks on a background with the Yxy color 55.6241, 0.3335, 0.3767.

# 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

55.6241, 0.3335, 0.3767

### Protanopia

55.4630, 0.3495, 0.3714

### Deuteranopia

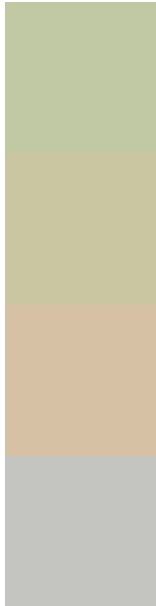
55.2806, 0.3637, 0.3568



## Tritanopia

55.8255, 0.3049, 0.3112

# Trichromacy



## Original Color

55.6241, 0.3335, 0.3767

## Protanomaly

55.5534, 0.3431, 0.3732

## Deuteranomaly

55.1164, 0.3530, 0.3637

## Tritanomaly

55.5185, 0.3149, 0.3339

# Monochromacy



## Original Color

55.6241, 0.3335, 0.3767

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

54.6889, 0.3199, 0.3464

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.6241, 0.3335, 0.3767 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(192, 201, 163)` looks like.

```
.text, #text, p{  
    color:rgb(192, 201, 163)  
}
```

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(192, 201, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 201, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 55.6241, 0.3335, 0.3767 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(192, 201, 163) }
```

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

```
.border{ border-color:rgb(192, 201, 163) }
```

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

Here you see how a box with a 4 pixel rgb(192, 201, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 201, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 201, 163);  
box-shadow:4px 4px 4px 4px rgb(192, 201,  
163) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.6241, 0.3335, 0.3767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 201, 163) }
```

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

```
.background{ background-color: rgb(192,  
201, 163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor