

# Converting Colors

$Yxy(55.4793, 0.3387, 0.3874)$

Have a look what the booklet for  
Yxy(55.4793, 0.3387, 0.3874)  
contains.

<b>Yxy(55.2162, 0.3386, 0.3871)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(55.2162, 0.3386, 0.3871)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<b>BFC99B</b>
RGB	<b>191, 201, 155</b>
RGB Percent	<b>75%, 79%, 61%</b>
CMY	<b>0.2508, 0.2118, 0.3921</b>
CMYK	<b>0.05, 0.00, 0.23, 0.21</b>
HSL	<b>73°, 30%, 70%</b>
HSV	<b>73°, 23%, 79%</b>
XYZ	<b>48.2981, 55.2162, 39.1263</b>
YIQ	<b>192.7660, 8.8060, -16.4260</b>

# Conversions

## Conversions Part 2

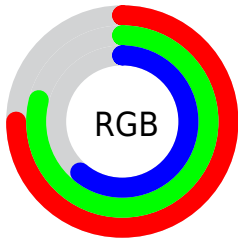
Format	Color
<a href="#">RYB</a>	<a href="#">155, 201, 165</a>
Decimal	<a href="#">12568987</a>
CIELab	<a href="#">79.17, -11.20, 21.89</a>
CIELCh	<a href="#">79, 24.589, 117.101</a>
Yxy	<a href="#">55.2162, 0.3386, 0.3871</a>
Android (android.graphics.Color)	<a href="#">4290759067 (0xFFBFC99B)</a>
YUV	<a href="#">192.7660, -18.6186, -1.5488</a>
Hunter-Lab	<a href="#">74.3076, -14.0177, 20.7964</a>

# Details

The Yxy color **55.2162, 0.3386, 0.3871** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.6573, 0.2828, 0.2669**, and the grayscale version is **53.2968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1296, 0.3347, 0.3737**, and **27.1853, 0.3442, 0.4024** is the 20% darker color. If you saturate the color by 10%, you get **54.0430, 0.3496, 0.4137**, and if you desaturate by 10%, it is **56.5234, 0.3272, 0.3610**.

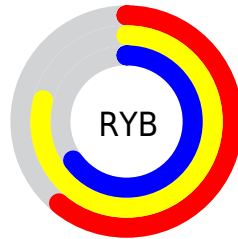
# Distribution



Red (75%)

Green (79%)

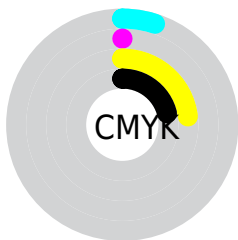
Blue (61%)



Red (61%)

Yellow (79%)

Blue (65%)

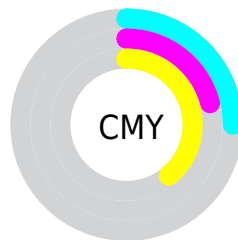


Cyan (5%)

Magenta (0%)

Yellow (23%)

Black (21%)



Cyan (25%)

Magenta (21%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.2162, 0.3386, 0.3871 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 55.2162, 0.3386, 0.3871 by changing the saturation by 10% instead.




 55.2162, 0.3386,  
0.3871

 55.2162, 0.3386,  
0.3871


406.7309, 0.3264,  
0.3583

 39.5748, 0.3414,  
0.3942


 97.8576, 0.3344,  
0.3767

 27.2072, 0.3448,  
0.4032


 125.6265, 0.3327,  
0.3728

 17.7289, 0.3491,  
0.4150


158.2067, 0.3313,  
0.3695

 10.7555, 0.3546,  
0.4312

195.9826, 0.3301,  
0.3666

 5.9027, 0.3616,  
0.4545

239.3386, 0.3290,  
0.3641

 2.7860, 0.3710,  
0.4914

288.6590, 0.3280,

 1.0211, 0.4036,

0.3619

0.5964

344.3283, 0.3272,  
0.3600

0.0000, 0.0000,  
0.0000

55.2162, 0.3386,  
0.3871

55.2162, 0.3386,  
0.3871

54.0430, 0.3496,  
0.4137

56.5234, 0.3272,  
0.3610

52.9909, 0.3599,  
0.4400

57.9625, 0.3159,  
0.3359

52.0560, 0.3688,  
0.4649


59.5412, 0.3049,  
0.3124


51.2316, 0.3759,  
0.4872


61.2640, 0.2945,  
0.2906

50.5101, 0.3807,  
0.5061


63.1028, 0.2850,  
0.2712

 49.8828, 0.3829,  
0.5206


 63.7607, 0.2880,  
0.2717

 49.3393, 0.3827,  
0.5305

 64.4361, 0.2910,  
0.2722

 48.9900, 0.3813,  
0.5354

 65.1293, 0.2941,  
0.2727

 65.8403, 0.2972,  
0.2732

# Harmonies

## Analogous

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



55.2162, 0.3649, 0.3804



55.2162, 0.3386, 0.3871



55.2162, 0.3063, 0.3762

# Triad

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



55.2162, 0.3386, 0.3871



55.2162, 0.2521, 0.2929



55.2162, 0.3487, 0.3081

# Complementary

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



55.2162, 0.3386, 0.3871



35.6573, 0.2828, 0.2669

# 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.



55.2162, 0.3166, 0.2875



55.2162, 0.3386, 0.3871



55.2162, 0.2619, 0.2781

# Square

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



55.2162, 0.3386, 0.3871



55.2162, 0.2573, 0.3191



55.2162, 0.2850, 0.2766



55.2162, 0.3713, 0.3343



# Rectangle

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



55.2162, 0.3386, 0.3871



55.2162, 0.2857, 0.3602



55.2162, 0.2850, 0.2766



55.2162, 0.3386, 0.3004

# Sweetspot

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



55.2186, 0.3386, 0.3871



98.1783, 0.3207, 0.3463



41.4081, 0.3567, 0.3410



20.9818, 0.3214, 0.3479



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

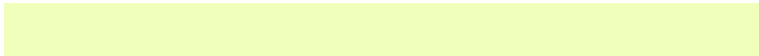


# Same Dimension

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



55.2186, 0.3386, 0.3871



93.6160, 0.3436, 0.3991



52.5496, 0.3205, 0.3905



12.2968, 0.3233, 0.3521



30.8472, 0.3819, 0.5350



1.4902, 0.3901, 0.5284



# Inverse Universe

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



35.6573, 0.2828, 0.2669



54.8242, 0.2758, 0.2531



38.2525, 0.3026, 0.2705



10.3962, 0.3016, 0.3054



3.0140, 0.1619, 0.0666



0.1754, 0.1830, 0.0782



# Previews

## White Background



This preview shows how the Yxy color 55.2162, 0.3386, 0.3871 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 55.2162, 0.3386, 0.3871 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

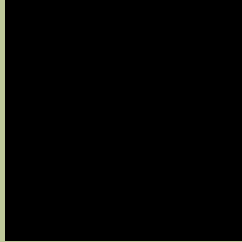
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

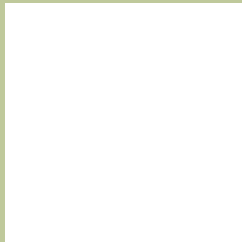
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.2162, 0.3386, 0.3871**

## Background



This preview shows how black text looks on a background with the Yxy color 55.2162, 0.3386, 0.3871.

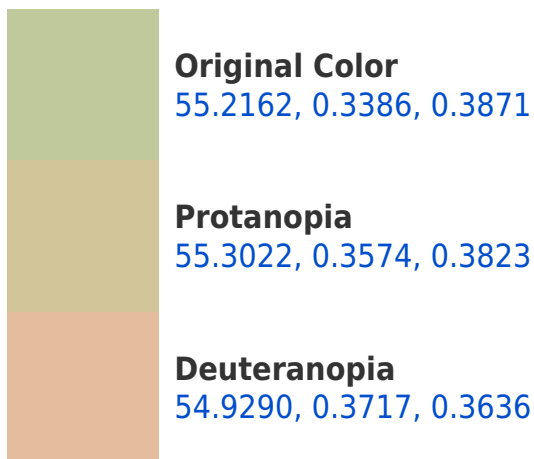


This preview shows how white text looks on a background with the Yxy color 55.2162, 0.3386, 0.3871.

# 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





## Tritanopia

55.1928, 0.3049, 0.3111

# Trichromacy



## Original Color

55.2162, 0.3386, 0.3871

## Protanomaly

55.2446, 0.3501, 0.3845

## Deuteranomaly

55.0213, 0.3595, 0.3720

## Tritanomaly

55.2087, 0.3170, 0.3388

# Monochromacy



## Original Color

55.2162, 0.3386, 0.3871

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

53.9410, 0.3222, 0.3503

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.2162, 0.3386, 0.3871 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(191, 201, 155)` looks like.

```
.text, #text, p{  
    color:rgb(191, 201, 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(191, 201, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 201, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 55.2162, 0.3386, 0.3871 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(191, 201, 155) }
```

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

```
.border{ border-color:rgb(191, 201, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 201, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 201, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 201, 155);  
box-shadow:4px 4px 4px 4px rgb(191, 201,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.2162, 0.3386, 0.3871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 201, 155) }
```

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

```
.background{ background-color: rgb(191,  
201, 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](#).

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