

# Converting Colors

Yxy(55.1781, 0.3406, 0.3928)

Have a look what the booklet for  
Yxy(55.1781, 0.3406, 0.3928)  
contains.

<b>Yxy(54.9548, 0.3407, 0.3924)</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(54.9548, 0.3407, 0.3924)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">BEC997</a>
RGB	<a href="#">190, 201, 151</a>
RGB Percent	<a href="#">75%, 79%, 59%</a>
CMY	<a href="#">0.2548, 0.2118, 0.4078</a>
CMYK	<a href="#">0.05, 0.00, 0.25, 0.21</a>
HSL	<a href="#">73°, 32%, 69%</a>
HSV	<a href="#">73°, 25%, 79%</a>
XYZ	<a href="#">47.7143, 54.9548, 37.3788</a>
YIQ	<a href="#">192.0110, 9.4940, -17.8820</a>

# Conversions

## Conversions Part 2

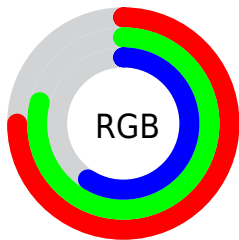
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 201, 162
Decimal	12503447
CIELab	79.02, -12.17, 23.78
CIELCh	79, 26.712, 117.098
Yxy	54.9548, 0.3407, 0.3924
Android (android.graphics.Color)	4290693527 (0xFFBEC997)
YUV	192.0110, -20.2184, -1.7636
Hunter-Lab	74.1315, -14.8396, 21.9967

# Details

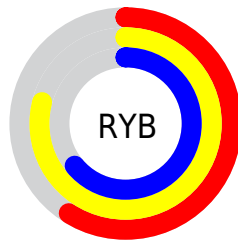
The Yxy color **54.9548, 0.3407, 0.3924** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.0368, 0.2799, 0.2609**, and the grayscale version is **52.8396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7019, 0.3371, 0.3789**, and **27.0218, 0.3469, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **53.7992, 0.3516, 0.4191**, and if you desaturate by 10%, it is **56.2438, 0.3294, 0.3661**.

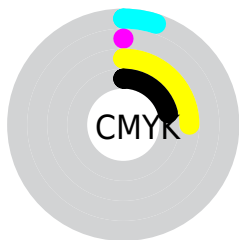
# Distribution



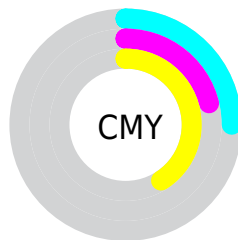
- Red (75%)
- Green (79%)
- Blue (59%)



- Red (59%)
- Yellow (79%)
- Blue (64%)



- Cyan (5%)
- Magenta (0%)
- Yellow (25%)
- Black (21%)




- Cyan (25%)
- Magenta (21%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9548, 0.3407, 0.3924 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 54.9548, 0.3407, 0.3924 by changing the saturation by 10% instead.




 54.9548, 0.3407,  
0.3924


 54.9548, 0.3407,  
0.3924

405.7406, 0.3276,  
0.3609

 39.3655, 0.3437,  
0.4001

 97.4747, 0.3361,  
0.3810

 27.0442, 0.3473,  
0.4100


 125.1742, 0.3344,  
0.3767

 17.6064, 0.3519,  
0.4229


157.6791, 0.3328,  
0.3731

 10.6678, 0.3576,  
0.4406

195.3740, 0.3315,  
0.3700

 5.8439, 0.3647,  
0.4660

238.6432, 0.3304,  
0.3673

 2.7504, 0.3754,  
0.5082

287.8711, 0.3293,

 1.0029, 0.3938,

0.3649

0.6062

343.4421, 0.3284,  
0.3628

0.0000, 0.0000,  
0.0000

54.9548, 0.3407,  
0.3924

54.9548, 0.3407,  
0.3924

53.7992, 0.3516,  
0.4191

56.2438, 0.3294,  
0.3661

52.7640, 0.3615,  
0.4452

57.6642, 0.3181,  
0.3408

51.8451, 0.3701,  
0.4697


59.2237, 0.3071,  
0.3170

51.0358, 0.3767,  
0.4915


60.9269, 0.2966,  
0.2948


50.3283, 0.3809,  
0.5096


62.7784, 0.2867,  
0.2745

 49.7135, 0.3826,  
0.5233


 63.6654, 0.2875,  
0.2716

 49.1806, 0.3818,  
0.5324

 64.3483, 0.2906,  
0.2721

 48.9282, 0.3808,  
0.5359

 65.0494, 0.2937,  
0.2726

 65.7688, 0.2969,  
0.2731

# Harmonies

## Analogous

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



54.9548, 0.3694, 0.3848



54.9548, 0.3407, 0.3924



54.9548, 0.3056, 0.3806

# Triad

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



54.9548, 0.3407, 0.3924



54.9548, 0.2470, 0.2896



54.9548, 0.3518, 0.3063

# Complementary

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



54.9548, 0.3407, 0.3924



34.0368, 0.2799, 0.2609

# 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.



54.9548, 0.3169, 0.2841



54.9548, 0.3407, 0.3924



54.9548, 0.2576, 0.2737

# Square

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



54.9548, 0.3407, 0.3924



54.9548, 0.2526, 0.3180



54.9548, 0.2825, 0.2723



54.9548, 0.3766, 0.3345



# Rectangle

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



54.9548, 0.3407, 0.3924



54.9548, 0.2833, 0.3630



54.9548, 0.2825, 0.2723



54.9548, 0.3408, 0.2980

# Sweetspot

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



54.9572, 0.3407, 0.3924



98.1678, 0.3206, 0.3463



40.4394, 0.3612, 0.3431



20.9793, 0.3213, 0.3479



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

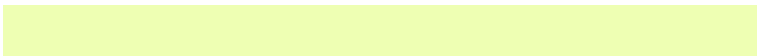


# Same Dimension

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



54.9572, 0.3407, 0.3924



92.9685, 0.3468, 0.4072



52.0250, 0.3204, 0.3966



12.2951, 0.3232, 0.3521



30.8073, 0.3814, 0.5354



1.4887, 0.3897, 0.5288



# Inverse Universe

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



34.0368, 0.2799, 0.2609



50.9005, 0.2711, 0.2435



36.9009, 0.3024, 0.2652



10.3978, 0.3016, 0.3054



3.0232, 0.1622, 0.0667



0.1761, 0.1835, 0.0784



# Previews

## White Background



This preview shows how the Yxy color 54.9548, 0.3407, 0.3924 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

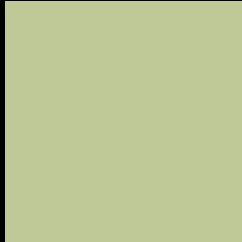
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.9548, 0.3407, 0.3924 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

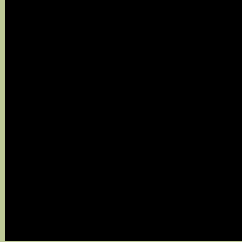
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

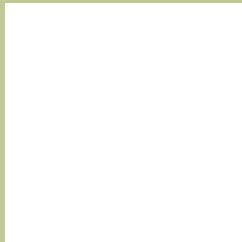
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.9548, 0.3407, 0.3924**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.9548, 0.3407, 0.3924.



This preview shows how white text looks on a background with the Yxy color 54.9548, 0.3407, 0.3924.

# 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

54.9548, 0.3407, 0.3924

### Protanopia

54.7236, 0.3609, 0.3860

### Deuteranopia

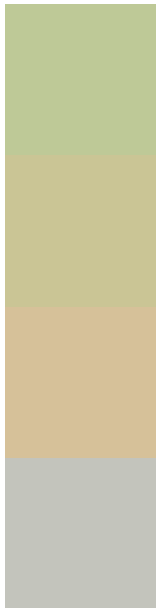
54.7935, 0.3750, 0.3682



## Tritanopia

54.7491, 0.3049, 0.3099

# Trichromacy



**Original Color**

54.9548, 0.3407, 0.3924

**Protanomaly**

54.6590, 0.3534, 0.3883

**Deuteranomaly**

54.7360, 0.3619, 0.3769

**Tritanomaly**

54.7128, 0.3179, 0.3388

# Monochromacy



**Original Color**

54.9548, 0.3407, 0.3924

**Achromatopsia**

52.7115, 0.3127, 0.3290

**Achromatomaly**

53.2809, 0.3230, 0.3516

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.9548, 0.3407, 0.3924 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(190, 201, 151)` looks like.

```
.text, #text, p{  
    color:rgb(190, 201, 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(190, 201, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 201, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 54.9548, 0.3407, 0.3924 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(190, 201, 151) }
```

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

```
.border{ border-color:rgb(190, 201, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 201, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 201, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 201, 151);  
box-shadow:4px 4px 4px 4px rgb(190, 201,  
151) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.9548, 0.3407, 0.3924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 201, 151) }
```

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

```
.background{ background-color: rgb(190,  
201, 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](#).

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