

# Converting Colors

Yxy(54.0489, 0.3365, 0.3786)

Have a look what the booklet for  
Yxy(54.0489, 0.3365, 0.3786)  
contains.

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# Color

**Yxy(53.9677, 0.3362, 0.3785)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFC69F
RGB	191, 198, 159
RGB Percent	75%, 78%, 62%
CMY	0.2510, 0.2235, 0.3766
CMYK	0.04, 0.00, 0.20, 0.22
HSL	71°, 26%, 70%
HSV	71°, 20%, 78%
XYZ	47.9364, 53.9677, 40.6790
YIQ	191.4610, 8.3470, -13.6130

# Conversions

## Conversions Part 2

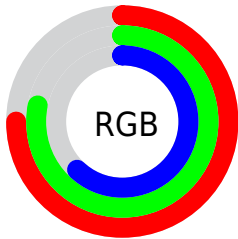
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 198, 166
Decimal	12568223
CIELab	78.44, -9.09, 18.79
CIELCh	78, 20.868, 115.808
Yxy	53.9677, 0.3362, 0.3785
Android (android.graphics.Color)	4290758303 (0xFFBFC69F)
YUV	191.4610, -16.0033, -0.4043
Hunter-Lab	73.4627, -12.0836, 18.5929

# Details

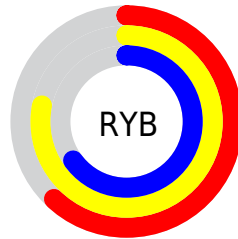
The Yxy color  $53.9677, 0.3362, 0.3785$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $36.9698, 0.2863, 0.2763$ , and the grayscale version is  $52.4734, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $96.3315, 0.3324, 0.3697$ , and  $26.3264, 0.3422, 0.3926$  is the 20% darker color. If you saturate the color by 10%, you get  $52.8818, 0.3480, 0.4047$ , and if you desaturate by 10%, it is  $55.1796, 0.3242, 0.3528$ .

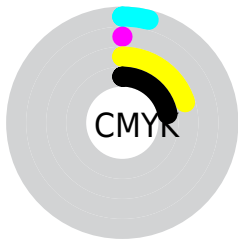
# Distribution



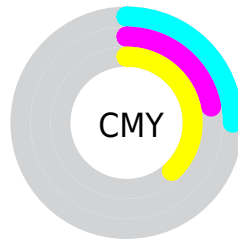
- Red (75%)
- Green (78%)
- Blue (62%)



- Red (62%)
- Yellow (78%)
- Blue (65%)



- Cyan (4%)
- Magenta (0%)
- Yellow (20%)
- Black (22%)




- Cyan (25%)
- Magenta (22%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.9677, 0.3362, 0.3785 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 53.9677, 0.3362, 0.3785 by changing the saturation by 10% instead.




 53.9677, 0.3362,  
0.3785


 53.9677, 0.3362,  
0.3785


401.9868, 0.3250,  
0.3539

 38.5758, 0.3388,  
0.3846


 96.0268, 0.3323,  
0.3696

 26.4299, 0.3421,  
0.3923


 123.4629, 0.3308,  
0.3663

 17.1455, 0.3462,  
0.4024


155.6824, 0.3295,  
0.3634

 10.3383, 0.3516,  
0.4164

193.0699, 0.3283,  
0.3610

 5.6238, 0.3588,  
0.4367

236.0097, 0.3273,  
0.3589

 2.6177, 0.3685,  
0.4686

284.8862, 0.3265,

 0.9356, 0.4161,

0.3570

0.5839

340.0838, 0.3257,  
0.3554

0.0000, 0.0000,  
0.0000

53.9677, 0.3362,  
0.3785

53.9677, 0.3362,  
0.3785

52.8818, 0.3480,  
0.4047

55.1796, 0.3242,  
0.3528

51.9095, 0.3592,  
0.4308

56.5154, 0.3124,  
0.3283

51.0475, 0.3693,  
0.4556

57.9821, 0.3010,  
0.3053

50.2894, 0.3777,  
0.4782

59.5842, 0.2902,  
0.2840

49.6284, 0.3839,  
0.4975

61.1325, 0.2820,  
0.2674

■ 49.0564, 0.3876,  
0.5127

■ 61.6558, 0.2845,  
0.2678

■ 48.5641, 0.3888,  
0.5234

■ 62.1907, 0.2870,  
0.2683

■ 48.1344, 0.3878,  
0.5301

■ 62.7373, 0.2895,  
0.2687

■ 48.1224, 0.3878,  
0.5303

■ 63.2957, 0.2920,  
0.2691

# Harmonies

## Analogous

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



53.9677, 0.3582, 0.3726



53.9677, 0.3362, 0.3785



53.9677, 0.3086, 0.3697

# Triad

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



53.9677, 0.3362, 0.3785



53.9677, 0.2604, 0.2991



53.9677, 0.3424, 0.3102

# Complementary

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



53.9677, 0.3362, 0.3785



36.9698, 0.2863, 0.2763

# 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.



53.9677, 0.3150, 0.2926



53.9677, 0.3362, 0.3785



53.9677, 0.2684, 0.2856

# Square

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



53.9677, 0.3362, 0.3785



53.9677, 0.2655, 0.3219



53.9677, 0.2880, 0.2836



53.9677, 0.3622, 0.3328



# Rectangle

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



53.9677, 0.3362, 0.3785



53.9677, 0.2908, 0.3565



53.9677, 0.2880, 0.2836



53.9677, 0.3337, 0.3036

# Sweetspot

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



53.9701, 0.3362, 0.3785



98.5365, 0.3199, 0.3438



41.5927, 0.3497, 0.3375



21.0579, 0.3207, 0.3454



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

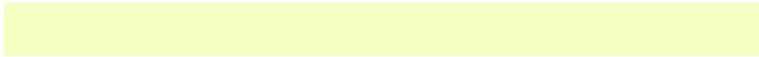


# Same Dimension

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



53.9701, 0.3362, 0.3785



94.6425, 0.3417, 0.3907



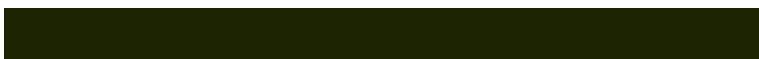
51.6624, 0.3205, 0.3810



12.3171, 0.3238, 0.3520



31.3269, 0.3882, 0.5299



1.5092, 0.3951, 0.5245



# Inverse Universe

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



36.9698, 0.2863, 0.2763



58.6627, 0.2790, 0.2622



39.1789, 0.3031, 0.2788



10.3775, 0.3010, 0.3053



2.9169, 0.1588, 0.0648



0.1669, 0.1777, 0.0753



# Previews

## White Background



This preview shows how the Yxy color 53.9677, 0.3362, 0.3785 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 53.9677, 0.3362, 0.3785 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

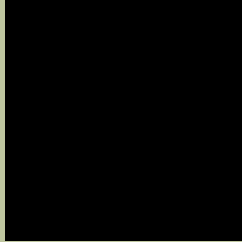
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

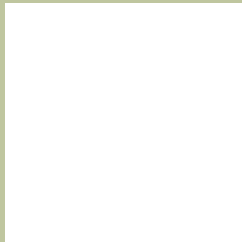
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.9677, 0.3362, 0.3785**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.9677, 0.3362, 0.3785.



This preview shows how white text looks on a background with the Yxy color 53.9677, 0.3362, 0.3785.

# 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

53.9677, 0.3362, 0.3785

### Protanopia

54.1397, 0.3514, 0.3743

### Deuteranopia

53.5383, 0.3663, 0.3583



## Tritanopia

53.7724, 0.3064, 0.3098

# Trichromacy



## Original Color

53.9677, 0.3362, 0.3785

## Protanomaly

53.9163, 0.3461, 0.3749

## Deuteranomaly

53.3620, 0.3553, 0.3653

## Tritanomaly

53.9034, 0.3165, 0.3339

# Monochromacy



## Original Color

53.9677, 0.3362, 0.3785

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

52.9146, 0.3216, 0.3479

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.9677, 0.3362, 0.3785 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, 198, 159)` looks like.

```
.text, #text, p{  
    color:rgb(191, 198, 159)  
}
```

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, 198, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 198, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 53.9677, 0.3362, 0.3785 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, 198, 159) }
```

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

```
.border{ border-color:rgb(191, 198, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 198, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 198, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 198, 159); box-shadow:4px 4px 4px 4px rgb(191, 198, 159) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.9677, 0.3362, 0.3785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 198, 159) }
```

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

```
.background{ background-color: rgb(191,  
198, 159) }
```

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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