

# Converting Colors

Yxy(54.2185, 0.3298, 0.3735)

Have a look what the booklet for  
Yxy(54.2185, 0.3298, 0.3735)  
contains.

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# Color

**Yxy(54.2185, 0.3298, 0.3735)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCC7A4
RGB	188, 199, 164
RGB Percent	74%, 78%, 64%
CMY	0.2625, 0.2197, 0.3568
CMYK	0.05, 0.00, 0.18, 0.22
HSL	79°, 24%, 71%
HSV	79°, 18%, 78%
XYZ	47.8749, 54.2185, 43.0700
YIQ	191.7210, 4.6790, -13.2170

# Conversions

## Conversions Part 2

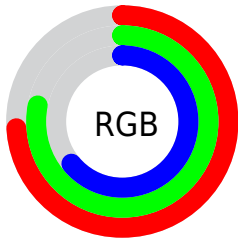
Format	Color
<a href="#">RYB</a>	<a href="#">164, 199, 175</a>
Decimal	<a href="#">12371876</a>
CIELab	<a href="#">78.59, -9.89, 16.27</a>
CIELCh	<a href="#">79, 19.038, 121.281</a>
Yxy	<a href="#">54.2185, 0.3298, 0.3735</a>
Android (android.graphics.Color)	<a href="#">4290561956 (0xFFBCC7A4)</a>
YUV	<a href="#">191.7210, -13.6665, -3.2633</a>
Hunter-Lab	<a href="#">73.6332, -12.8009, 16.8630</a>

# Details

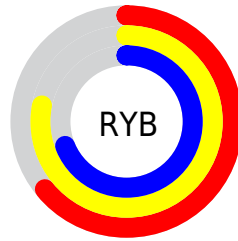
The Yxy color **54.2185, 0.3298, 0.3735** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.7864, 0.2935, 0.2830**, and the grayscale version is **52.6268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8676, 0.3268, 0.3649**, and **26.5715, 0.3346, 0.3859** is the 20% darker color. If you saturate the color by 10%, you get **52.7840, 0.3394, 0.4006**, and if you desaturate by 10%, it is **55.8042, 0.3200, 0.3476**.

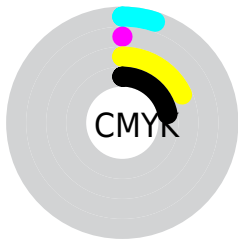
# Distribution



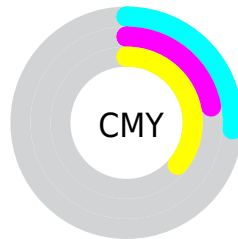
- Red (74%)
- Green (78%)
- Blue (64%)



- Red (64%)
- Yellow (78%)
- Blue (69%)



- Cyan (5%)
- Magenta (0%)
- Yellow (18%)
- Black (22%)




- Cyan (26%)
- Magenta (22%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.2185, 0.3298, 0.3735 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 54.2185, 0.3298, 0.3735 by changing the saturation by 10% instead.





 54.2185, 0.3298,  
0.3735


 54.2185, 0.3298,  
0.3735


402.9427, 0.3217,  
0.3514

 38.7764, 0.3317,  
0.3790


 96.3950, 0.3270,  
0.3655

 26.5858, 0.3340,  
0.3859


 123.8981, 0.3259,  
0.3625

 17.2624, 0.3370,  
0.3951


156.1904, 0.3249,  
0.3599

 10.4218, 0.3408,  
0.4079

193.6562, 0.3241,  
0.3578

 5.6795, 0.3460,  
0.4265

236.6800, 0.3234,  
0.3559

 2.6512, 0.3529,  
0.4561

285.6460, 0.3228,

 0.9525, 0.4102,

0.3542

0.5898

340.9388, 0.3222,  
0.3527

0.0000, 0.0000,  
0.0000

54.2185, 0.3298,  
0.3735

54.2185, 0.3298,  
0.3735

52.7840, 0.3394,  
0.4006

55.8042, 0.3200,  
0.3476

51.4881, 0.3484,  
0.4282

57.5394, 0.3104,  
0.3233

50.3270, 0.3563,  
0.4553


59.4314, 0.3011,  
0.3008


49.2941, 0.3627,  
0.4809

61.4850, 0.2923,  
0.2803

48.3822, 0.3671,  
0.5037


63.1444, 0.2893,  
0.2697


 47.5832, 0.3691,  
0.5226

 64.1278, 0.2937,  
0.2705

 46.8875, 0.3686,  
0.5369

 65.1477, 0.2982,  
0.2713

 46.2819, 0.3658,  
0.5464

 66.2043, 0.3027,  
0.2720

 46.1432, 0.3649,  
0.5484

 67.2981, 0.3072,  
0.2728

# Harmonies

## Analogous

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



54.2185, 0.3512, 0.3707



54.2185, 0.3298, 0.3735



54.2185, 0.3044, 0.3631

# Triad

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



54.2185, 0.3298, 0.3735



54.2185, 0.2653, 0.2988



54.2185, 0.3438, 0.3154

# Complementary

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



54.2185, 0.3298, 0.3735



39.7864, 0.2935, 0.2830

# 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.



54.2185, 0.3196, 0.2981



54.2185, 0.3298, 0.3735



54.2185, 0.2748, 0.2882

# Square

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



54.2185, 0.3298, 0.3735



54.2185, 0.2679, 0.3184



54.2185, 0.2944, 0.2882



54.2185, 0.3597, 0.3365



# Rectangle

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



54.2185, 0.3298, 0.3735



54.2185, 0.2887, 0.3500



54.2185, 0.2944, 0.2882



54.2185, 0.3363, 0.3090

# Sweetspot

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



54.2209, 0.3298, 0.3735



98.4580, 0.3176, 0.3413



45.2894, 0.3439, 0.3425



21.0289, 0.3183, 0.3431



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

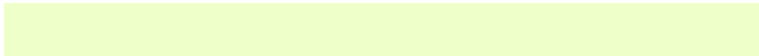


# Same Dimension

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



54.2209, 0.3298, 0.3735



93.9816, 0.3334, 0.3835



52.1810, 0.3160, 0.3754



12.2444, 0.3218, 0.3522



29.7235, 0.3657, 0.5478



1.4446, 0.3772, 0.5387



# Inverse Universe

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



39.7864, 0.2935, 0.2830



64.1372, 0.2887, 0.2723



41.8846, 0.3085, 0.2851



10.4456, 0.3031, 0.3055



3.3553, 0.1726, 0.0724



0.1978, 0.1964, 0.0856



# Previews

## White Background



This preview shows how the Yxy color 54.2185, 0.3298, 0.3735 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

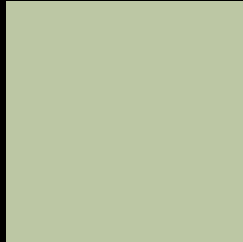
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.2185, 0.3298, 0.3735 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

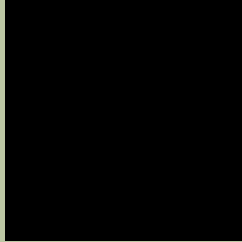
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

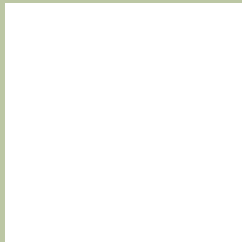
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.2185, 0.3298, 0.3735**

## Background



This preview shows how black text looks on a background with the Yxy color 54.2185, 0.3298, 0.3735.



This preview shows how white text looks on a background with the Yxy color 54.2185, 0.3298, 0.3735.

# 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

54.2185, 0.3298, 0.3735

### Protanopia

54.1359, 0.3474, 0.3695

### Deuteranopia

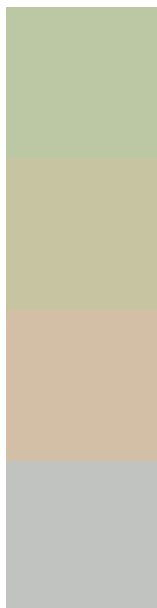
53.9818, 0.3608, 0.3536



## Tritanopia

54.1633, 0.3025, 0.3109

# Trichromacy



## Original Color

54.2185, 0.3298, 0.3735

## Protanomaly

54.2306, 0.3410, 0.3713

## Deuteranomaly

53.6799, 0.3492, 0.3605

## Tritanomaly

54.0425, 0.3125, 0.3327

# Monochromacy



## Original Color

54.2185, 0.3298, 0.3735

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

53.4840, 0.3192, 0.3453

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.2185, 0.3298, 0.3735 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(188, 199, 164)` looks like.

```
.text, #text, p{  
    color:rgb(188, 199, 164)  
}
```

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(188, 199, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 199, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 54.2185, 0.3298, 0.3735 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(188, 199, 164) }
```

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

```
.border{ border-color:rgb(188, 199, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 199, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 199, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 199, 164);  
box-shadow:4px 4px 4px 4px rgb(188, 199,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.2185, 0.3298, 0.3735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 199, 164) }
```

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

```
.background{ background-color: rgb(188,  
199, 164) }
```

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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