

# Converting Colors

Yxy(53.4364, 0.3221, 0.3584)

Have a look what the booklet for  
Yxy(53.4364, 0.3221, 0.3584)  
contains.

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# Color

**Yxy(53.5533, 0.3217, 0.3582)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBC5AE
RGB	187, 197, 174
RGB Percent	73%, 77%, 68%
CMY	0.2668, 0.2274, 0.3176
CMYK	0.05, 0.00, 0.12, 0.23
HSL	86°, 17%, 73%
HSV	86°, 12%, 77%
XYZ	48.0963, 53.5533, 47.8571
YIQ	191.3880, 1.4230, -9.2730

# Conversions

## Conversions Part 2

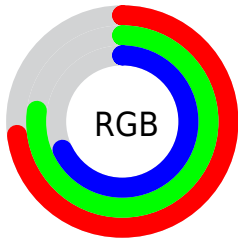
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 197, 184
Decimal	12305838
CIELab	78.20, -7.60, 10.35
CIELCh	78, 12.841, 126.282
Yxy	53.5533, 0.3217, 0.3582
Android (android.graphics.Color)	4290495918 (0xFFBBC5AE)
YUV	191.3880, -8.5723, -3.8483
Hunter-Lab	73.1801, -10.7493, 12.4526

# Details

The Yxy color **53.5533, 0.3217, 0.3582** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.5104, 0.3029, 0.2996**, and the grayscale version is **52.3871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5955, 0.3204, 0.3538**, and **26.1184, 0.3239, 0.3652** is the 20% darker color. If you saturate the color by 10%, you get **51.7900, 0.3293, 0.3852**, and if you desaturate by 10%, it is **55.4989, 0.3140, 0.3330**.

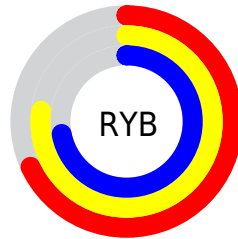
# Distribution



Red (73%)

Green (77%)

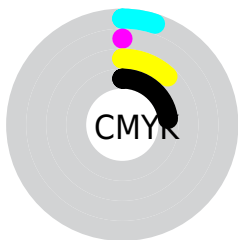
Blue (68%)



Red (68%)

Yellow (77%)

Blue (72%)

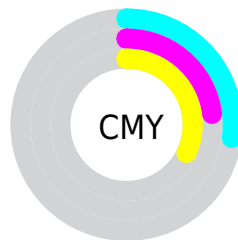


Cyan (5%)

Magenta (0%)

Yellow (12%)

Black (23%)



Cyan (27%)

Magenta (23%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.5533, 0.3217, 0.3582 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 53.5533, 0.3217, 0.3582 by changing the saturation by 10% instead.





 53.5533, 0.3217,  
0.3582

 53.5533, 0.3217,  
0.3582

400.4043, 0.3174,  
0.3437

 38.2447, 0.3227,  
0.3618


 95.4180, 0.3202,  
0.3530

 26.1726, 0.3240,  
0.3663


122.7429, 0.3196,  
0.3510

 16.9528, 0.3256,  
0.3724


154.8420, 0.3191,  
0.3493

 10.2009, 0.3277,  
0.3808

192.0997, 0.3187,  
0.3479

 5.5323, 0.3307,  
0.3931

234.9004, 0.3183,  
0.3466

 2.5629, 0.3349,  
0.4130

283.6284, 0.3180,

 0.9080, 0.3661,

0.3456

0.4908

338.6683, 0.3177,  
0.3446

0.0000, 0.0000,  
0.0000

53.5533, 0.3217,  
0.3582

53.5533, 0.3217,  
0.3582

51.7900, 0.3293,  
0.3852

55.4989, 0.3140,  
0.3330

50.1961, 0.3365,  
0.4136

57.6256, 0.3064,  
0.3099

48.7676, 0.3430,  
0.4426

59.9411, 0.2991,  
0.2889

47.4974, 0.3482,  
0.4712

62.4506, 0.2922,  
0.2700

46.3782, 0.3518,  
0.4981

63.9780, 0.2970,  
0.2690

■ 45.4017, 0.3532,  
0.5219

■ 65.4365, 0.3033,  
0.2701

■ 44.5587, 0.3524,  
0.5413

■ 66.9663, 0.3096,  
0.2712

■ 43.8382, 0.3492,  
0.5555

■ 68.4174, 0.3154,  
0.2722

■ 43.3159, 0.3453,  
0.5640

# Harmonies

## Analogous

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



53.5533, 0.3369, 0.3581



53.5533, 0.3217, 0.3582



53.5533, 0.3045, 0.3498

# Triad

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



53.5533, 0.3217, 0.3582



53.5533, 0.2808, 0.3070



53.5533, 0.3360, 0.3222

# Complementary

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



53.5533, 0.3217, 0.3582



44.5104, 0.3029, 0.2996

# 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.



53.5533, 0.3204, 0.3095



53.5533, 0.3217, 0.3582



53.5533, 0.2887, 0.3006

# Square

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



53.5533, 0.3217, 0.3582



53.5533, 0.2812, 0.3196



53.5533, 0.3031, 0.3016



53.5533, 0.3454, 0.3369



# Rectangle

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



53.5533, 0.3217, 0.3582



53.5533, 0.2941, 0.3407



53.5533, 0.3031, 0.3016



53.5533, 0.3313, 0.3176

# Sweetspot

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



53.5556, 0.3217, 0.3582



98.5254, 0.3158, 0.3389



49.2030, 0.3319, 0.3416



21.0304, 0.3164, 0.3407



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

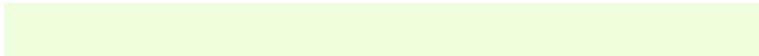


# Same Dimension

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



53.5556, 0.3217, 0.3582



95.0727, 0.3237, 0.3649



52.1726, 0.3125, 0.3590



12.1776, 0.3199, 0.3523



28.5376, 0.3462, 0.5633



1.3936, 0.3611, 0.5515



# Inverse Universe

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



44.5104, 0.3029, 0.2996



75.6829, 0.3005, 0.2928



45.9785, 0.3127, 0.3005



10.5102, 0.3050, 0.3056



4.0010, 0.1915, 0.0829

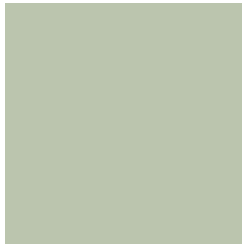


0.2321, 0.2155, 0.0961



# Previews

## White Background



This preview shows how the Yxy color 53.5533, 0.3217, 0.3582 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

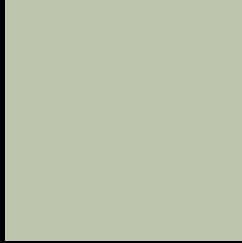
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.5533, 0.3217, 0.3582 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

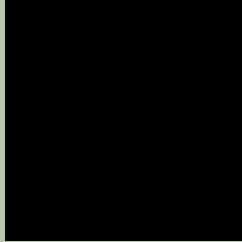
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.5533, 0.3217, 0.3582**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.5533, 0.3217, 0.3582.



This preview shows how white text looks on a background with the Yxy color 53.5533, 0.3217, 0.3582.

# 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

53.5533, 0.3217, 0.3582

### Protanopia

53.6750, 0.3363, 0.3549

### Deuteranopia

53.1578, 0.3483, 0.3409



## Tritanopia

53.4107, 0.3017, 0.3108

# Trichromacy



## Original Color

53.5533, 0.3217, 0.3582

## Protanomaly

53.4710, 0.3312, 0.3551

## Deuteranomaly

53.1875, 0.3388, 0.3473

## Tritanomaly

53.4709, 0.3088, 0.3278

# Monochromacy



## Original Color

53.5533, 0.3217, 0.3582

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

52.5899, 0.3163, 0.3390

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.5533, 0.3217, 0.3582 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(187, 197, 174)` looks like.

```
.text, #text, p{  
    color:rgb(187, 197, 174)  
}
```

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(187, 197, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 197, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 53.5533, 0.3217, 0.3582 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(187, 197, 174) }
```

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

```
.border{ border-color:rgb(187, 197, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 197, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 197, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 197, 174);  
box-shadow:4px 4px 4px 4px rgb(187, 197,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.5533, 0.3217, 0.3582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 197, 174) }
```

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

```
.background{ background-color: rgb(187,  
197, 174) }
```

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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