

# Converting Colors

$Y_{xy}(56.5829, 0.3057, 0.3356)$

Have a look what the booklet for  
Yxy(56.5829, 0.3057, 0.3356)  
contains.

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# Color

**Yxy(56.3236, 0.3055, 0.3351)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBC9C4
RGB	187, 201, 196
RGB Percent	73%, 79%, 77%
CMY	0.2666, 0.2118, 0.2312
CMYK	0.07, 0.00, 0.02, 0.21
HSL	159°, 11%, 76%
HSV	159°, 7%, 79%
XYZ	51.3484, 56.3236, 60.4079
YIQ	196.2440, -6.7390, -4.5230

# Conversions

## Conversions Part 2

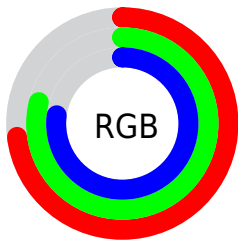
Format	Color
<b>RYB</b>	187, 196, 201
Decimal	12306884
CIELab	79.80, -5.70, 0.83
CIELCh	80, 5.757, 171.720
Yxy	56.3236, 0.3055, 0.3351
Android (android.graphics.Color)	4290496964 (0xFFBBC9C4)
YUV	196.2440, -0.1203, -8.1070
Hunter-Lab	75.0491, -9.2064, 4.8111

# Details

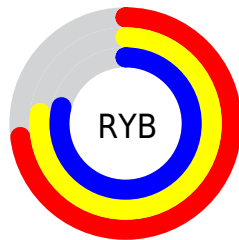
The Yxy color **56.3236, 0.3055, 0.3351** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.7674, 0.3205, 0.3230**, and the grayscale version is **55.3629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6665, 0.3065, 0.3309**, and **27.8888, 0.3041, 0.3373** is the 20% darker color. If you saturate the color by 10%, you get **53.6482, 0.2954, 0.3447**, and if you desaturate by 10%, it is **59.3741, 0.3159, 0.3265**.

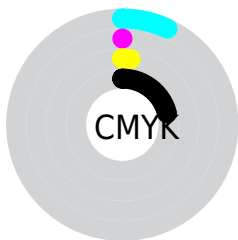
# Distribution



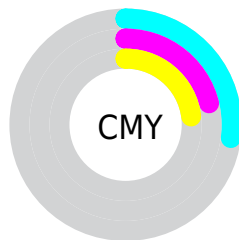
- Red (73%)
- Green (79%)
- Blue (77%)



- Red (73%)
- Yellow (77%)
- Blue (79%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (21%)




- Cyan (27%)
- Magenta (21%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.3236, 0.3055, 0.3351 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 56.3236, 0.3055, 0.3351 by changing the saturation by 10% instead.





 56.3236, 0.3055,  
0.3351

 56.3236, 0.3055,  
0.3351

410.9099, 0.3090,  
0.3321

 40.4624, 0.3047,  
0.3358


 99.4776, 0.3068,  
0.3340

 27.8993, 0.3036,  
0.3367

127.5391, 0.3072,  
0.3336

 18.2497, 0.3022,  
0.3379


160.4363, 0.3076,  
0.3333

 11.1294, 0.3003,  
0.3395

198.5535, 0.3080,  
0.3330

 6.1540, 0.2976,  
0.3418

242.2750, 0.3083,  
0.3327

 2.9389, 0.2933,  
0.3455

291.9853, 0.3086,

 1.0999, 0.2857,

0.3325

0.3520

348.0688, 0.3088,  
0.3323

0.0000, 0.0000,  
0.0000

56.3236, 0.3055,  
0.3351

56.3236, 0.3055,  
0.3351

53.6482, 0.2954,  
0.3447

59.3741, 0.3159,  
0.3265

51.3258, 0.2859,  
0.3552

62.8065, 0.3264,  
0.3188

49.3430, 0.2772,  
0.3667


66.6364, 0.3368,  
0.3120

47.6825, 0.2696,  
0.3790


68.4463, 0.3374,  
0.3052

46.3258, 0.2635,  
0.3920

68.8431, 0.3320,  
0.2982


 45.2522, 0.2592,  
0.4054

 69.2563, 0.3267,  
0.2913

 44.4385, 0.2567,  
0.4191

 69.6863, 0.3216,  
0.2845

 43.8574, 0.2563,  
0.4328

 70.1330, 0.3165,  
0.2779

 43.4727, 0.2578,  
0.4463

 70.2529, 0.3152,  
0.2762

# Harmonies

## Analogous

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



56.3236, 0.3129, 0.3402



56.3236, 0.3055, 0.3351



56.3236, 0.3001, 0.3284

# Triad

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



56.3236, 0.3055, 0.3351



56.3236, 0.3051, 0.3161



56.3236, 0.3276, 0.3359

# Complementary

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



56.3236, 0.3055, 0.3351



51.7674, 0.3205, 0.3230

# 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.



56.3236, 0.3255, 0.3295



56.3236, 0.3055, 0.3351



56.3236, 0.3125, 0.3182

# Square

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



56.3236, 0.3055, 0.3351



56.3236, 0.2999, 0.3174



56.3236, 0.3199, 0.3230



56.3236, 0.3257, 0.3406



# Rectangle

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



56.3236, 0.3055, 0.3351



56.3236, 0.2983, 0.3239



56.3236, 0.3199, 0.3230



56.3236, 0.3273, 0.3339

# Sweetspot

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



56.3260, 0.3055, 0.3351



98.9294, 0.3106, 0.3307



56.5859, 0.3159, 0.3462



21.1862, 0.3107, 0.3306



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.



56.3260, 0.3055, 0.3351



95.8763, 0.3043, 0.3362



55.6917, 0.3021, 0.3267



12.0011, 0.3030, 0.3373



27.2905, 0.2579, 0.4484



1.3056, 0.2501, 0.4205



# Inverse Universe

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



51.7674, 0.3205, 0.3230



86.8493, 0.3219, 0.3220



52.3475, 0.3242, 0.3313



10.6981, 0.3235, 0.3208



8.1127, 0.5534, 0.2822

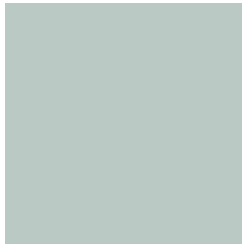


0.3979, 0.4951, 0.2501



# Previews

## White Background



This preview shows how the Yxy color 56.3236, 0.3055, 0.3351 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

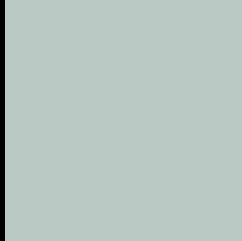
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.3236, 0.3055, 0.3351 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

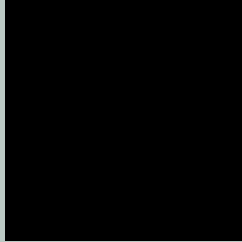
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

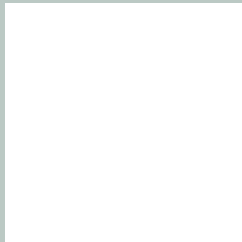
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.3236, 0.3055, 0.3351**

## Background



This preview shows how black text looks on a background with the Yxy color 56.3236, 0.3055, 0.3351.



This preview shows how white text looks on a background with the Yxy color 56.3236, 0.3055, 0.3351.

# 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

56.3236, 0.3055, 0.3351

### Protanopia

56.3841, 0.3189, 0.3326

### Deuteranopia

55.9378, 0.3279, 0.3209



## Tritanopia

56.1904, 0.2953, 0.3098

# Trichromacy



## Original Color

56.3236, 0.3055, 0.3351

## Protanomaly

56.1986, 0.3141, 0.3326

## Deuteranomaly

56.0406, 0.3192, 0.3266

## Tritanomaly

56.1707, 0.2994, 0.3193

# Monochromacy



## Original Color

56.3236, 0.3055, 0.3351

## Achromatopsia

55.2011, 0.3127, 0.3290

## Achromatomaly

55.7111, 0.3103, 0.3314

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.3236, 0.3055, 0.3351 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, 201, 196)` looks like.

```
.text, #text, p{  
    color:rgb(187, 201, 196)  
}
```

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, 201, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 201, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 56.3236, 0.3055, 0.3351 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, 201, 196) }
```

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

```
.border{ border-color:rgb(187, 201, 196) }
```

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

Here you see how a box with a 4 pixel rgb(187, 201, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 201, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 201, 196);  
box-shadow:4px 4px 4px 4px rgb(187, 201,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.3236, 0.3055, 0.3351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 201, 196) }
```

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

```
.background{ background-color: rgb(187,  
201, 196) }
```

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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