

# Converting Colors

Yxy(56.8597, 0.3234, 0.3719)

Have a look what the booklet for  
Yxy(56.8597, 0.3234, 0.3719)  
contains.

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# Color

**Yxy(56.6528, 0.3239, 0.3718)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBCCAA
RGB	187, 204, 170
RGB Percent	73%, 80%, 67%
CMY	0.2664, 0.2000, 0.3333
CMYK	0.08, 0.00, 0.17, 0.20
HSL	90°, 25%, 73%
HSV	90°, 17%, 80%
XYZ	49.3541, 56.6528, 46.3675
YIQ	195.0410, 0.7820, -14.1780

# Conversions

## Conversions Part 2

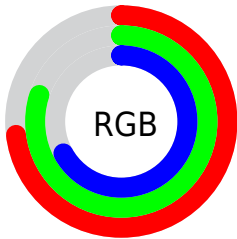
Format	Color
<a href="#">RYB</a>	<a href="#">170, 204, 187</a>
Decimal	<a href="#">12307626</a>
CIELab	<a href="#">79.98, -11.84, 15.02</a>
CIElCh	<a href="#">80, 19.127, 128.253</a>
Yxy	<a href="#">56.6528, 0.3239, 0.3718</a>
Android (android.graphics.Color)	<a href="#">4290497706 (0xFFBCCA)</a>
YUV	<a href="#">195.0410, -12.3452, -7.0520</a>
Hunter-Lab	<a href="#">75.2681, -14.6747, 16.1631</a>

# Details

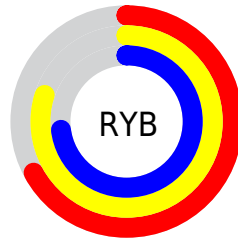
The Yxy color **56.6528, 0.3239, 0.3718** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.6680, 0.2999, 0.2862**, and the grayscale version is **54.6808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0109, 0.3226, 0.3589**, and **28.1890, 0.3266, 0.3835** is the 20% darker color. If you saturate the color by 10%, you get **54.7051, 0.3303, 0.4000**, and if you desaturate by 10%, it is **58.8159, 0.3172, 0.3454**.

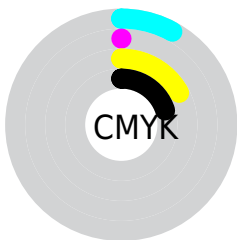
# Distribution



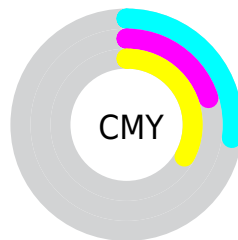
- Red (73%)
- Green (80%)
- Blue (67%)



- Red (67%)
- Yellow (80%)
- Blue (73%)



- Cyan (8%)
- Magenta (0%)
- Yellow (17%)
- Black (20%)



- Cyan (27%)
- Magenta (20%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.6528, 0.3239, 0.3718 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 56.6528, 0.3239, 0.3718 by changing the saturation by 10% instead.



■ 56.6528, 0.3239,  
0.3718

■ 56.6528, 0.3239,  
0.3718

412.1470, 0.3187,  
0.3506

■ 40.7266, 0.3251,  
0.3770

■ 99.9584, 0.3221,  
0.3642

■ 28.1055, 0.3265,  
0.3836

128.1065, 0.3214,  
0.3613

■ 18.4052, 0.3283,  
0.3924

161.0974, 0.3208,  
0.3588

■ 11.2413, 0.3305,  
0.4044

199.3155, 0.3203,  
0.3567

■ 6.2294, 0.3334,  
0.4220

243.1451, 0.3198,  
0.3549

■ 2.9850, 0.3369,  
0.4498

292.9706, 0.3194,

■ 1.1239, 0.3735,

0.3533

0.5513

349.1764, 0.3191,  
0.3519

0.0000, 0.0000,  
0.0000

56.6528, 0.3239,  
0.3718

56.6528, 0.3239,  
0.3718

54.7051, 0.3303,  
0.4000

58.8159, 0.3172,  
0.3454

52.9581, 0.3362,  
0.4296

61.1939, 0.3105,  
0.3211

51.4062, 0.3411,  
0.4594


63.7960, 0.3039,  
0.2991

50.0412, 0.3445,  
0.4884

66.6284, 0.2977,  
0.2794


48.8538, 0.3461,  
0.5150


68.5532, 0.3027,  
0.2772


 47.8336, 0.3456,  
0.5378

 70.3604, 0.3100,  
0.2783

 46.9692, 0.3428,  
0.5556

 71.6598, 0.3151,  
0.2791

 46.2458, 0.3381,  
0.5677

 46.0274, 0.3364,  
0.5711

# Harmonies

## Analogous

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



56.6528, 0.3466, 0.3720



56.6528, 0.3239, 0.3718



56.6528, 0.2988, 0.3587

# Triad

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



56.6528, 0.3239, 0.3718



56.6528, 0.2669, 0.2958



56.6528, 0.3481, 0.3203

# Complementary

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



56.6528, 0.3239, 0.3718



43.6680, 0.2999, 0.2862

# 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.



56.6528, 0.3255, 0.3018



56.6528, 0.3239, 0.3718



56.6528, 0.2789, 0.2877

# Square

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



56.6528, 0.3239, 0.3718



56.6528, 0.2666, 0.3134



56.6528, 0.3001, 0.2901



56.6528, 0.3611, 0.3414



# Rectangle

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



56.6528, 0.3239, 0.3718



56.6528, 0.2842, 0.3446



56.6528, 0.3001, 0.2901



56.6528, 0.3413, 0.3136

# Sweetspot

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



56.6553, 0.3239, 0.3718



98.0213, 0.3161, 0.3414



51.0382, 0.3409, 0.3493



20.9227, 0.3166, 0.3432



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

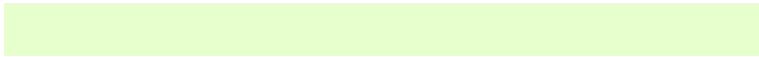


# Same Dimension

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



56.6553, 0.3239, 0.3718



92.6363, 0.3263, 0.3818



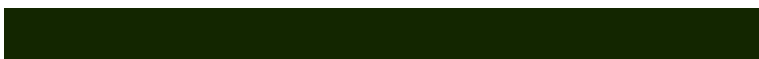
54.6927, 0.3111, 0.3735



12.8089, 0.3190, 0.3524



29.0296, 0.3374, 0.5703



1.5427, 0.3524, 0.5584



# Inverse Universe

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



43.6680, 0.2999, 0.2862



67.1298, 0.2967, 0.2763



45.8675, 0.3141, 0.2881



11.1138, 0.3059, 0.3056



4.5628, 0.2027, 0.0890



0.2805, 0.2242, 0.1009



# Previews

## White Background



This preview shows how the Yxy color 56.6528, 0.3239, 0.3718 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 56.6528, 0.3239, 0.3718 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

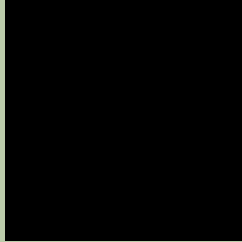
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.6528, 0.3239, 0.3718**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.6528, 0.3239, 0.3718.



This preview shows how white text looks on a background with the Yxy color 56.6528, 0.3239, 0.3718.

# 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

56.6528, 0.3239, 0.3718

### Protanopia

56.7335, 0.3452, 0.3663

### Deuteranopia

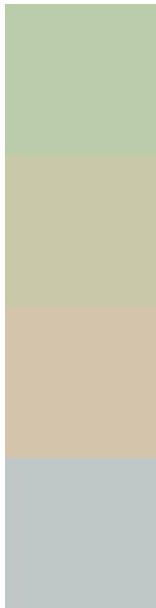
56.4475, 0.3565, 0.3498



## Tritanopia

56.7125, 0.2983, 0.3099

# Trichromacy



## Original Color

56.6528, 0.3239, 0.3718

## Protanomaly

56.5532, 0.3373, 0.3682

## Deuteranomaly

56.4555, 0.3442, 0.3576

## Tritanomaly

56.4621, 0.3072, 0.3314

# Monochromacy



## Original Color

56.6528, 0.3239, 0.3718

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

55.1398, 0.3168, 0.3439

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.6528, 0.3239, 0.3718 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, 204, 170)` looks like.

```
.text, #text, p{  
    color:rgb(187, 204, 170)  
}
```

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, 204, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 204, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 56.6528, 0.3239, 0.3718 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, 204, 170) }
```

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

```
.border{ border-color:rgb(187, 204, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 204, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 204, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 204, 170);  
box-shadow:4px 4px 4px 4px rgb(187, 204,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.6528, 0.3239, 0.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 204, 170) }
```

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

```
.background{ background-color: rgb(187,  
204, 170) }
```

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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