

# Converting Colors

$Y_{xy}(43.5658, 0.3636, 0.4076)$

Have a look what the booklet for  
Yxy(43.5658, 0.3636, 0.4076)  
contains.

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# Color

**Yxy(43.5658, 0.3636, 0.4076)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6B379
RGB	182, 179, 121
RGB Percent	71%, 70%, 47%
CMY	0.2863, 0.2980, 0.5254
CMYK	0.00, 0.02, 0.34, 0.29
HSL	57°, 29%, 59%
HSV	57°, 34%, 71%
XYZ	38.8629, 43.5658, 24.4550
YIQ	173.2850, 20.4060, -17.4020

# Conversions

## Conversions Part 2

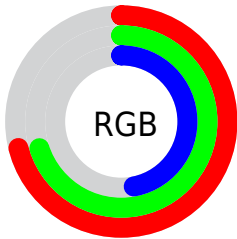
Format	Color
<a href="#">RYB</a>	<a href="#">124, 182, 121</a>
Decimal	<a href="#">11973497</a>
CIELab	<a href="#">71.94, -7.93, 30.04</a>
CIELCh	<a href="#">72, 31.073, 104.786</a>
Yxy	<a href="#">43.5658, 0.3636, 0.4076</a>
Android (android.graphics.Color)	<a href="#">4290163577 (0xFFB6B379)</a>
YUV	<a href="#">173.2850, -25.7765, 7.6431</a>
Hunter-Lab	<a href="#">66.0044, -10.4082, 24.2358</a>

# Details

The Yxy color  $43.5658, 0.3636, 0.4076$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $21.8612, 0.2541, 0.2360$ , and the grayscale version is  $42.0700, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $80.8234, 0.3548, 0.3932$ , and  $19.9658, 0.3775, 0.4307$  is the 20% darker color. If you saturate the color by 10%, you get  $42.8057, 0.3785, 0.4300$ , and if you desaturate by 10%, it is  $44.4164, 0.3482, 0.3841$ .

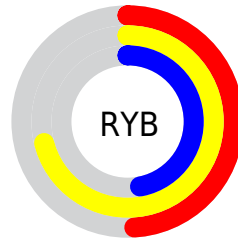
# Distribution



Red (71%)

Green (70%)

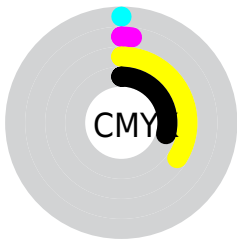
Blue (47%)



Red (49%)

Yellow (71%)

Blue (47%)

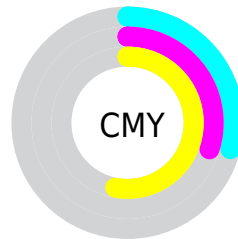


Cyan (0%)

Magenta (2%)

Yellow (34%)

Black (29%)



Cyan (29%)

Magenta (30%)


Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.5658, 0.3636, 0.4076 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 43.5658, 0.3636, 0.4076 by changing the saturation by 10% instead.





 43.5658, 0.3636,  
0.4076

 43.5658, 0.3636,  
0.4076


360.9335, 0.3386,  
0.3676


 30.3293, 0.3695,  
0.4177


 80.5640, 0.3547,  
0.3930

 20.0887, 0.3768,  
0.4305


 105.0945, 0.3513,  
0.3875

 12.4595, 0.3860,  
0.4474


 134.1584, 0.3484,  
0.3829

 7.0574, 0.3976,  
0.4704

168.1401, 0.3459,  
0.3789

 3.4980, 0.4147,  
0.5065

207.4241, 0.3438,  
0.3755

 1.3969, 0.4366,  
0.5634

252.3947, 0.3418,

 0.2145, 0.0456,

0.3725

0.9544

303.4364, 0.3402,  
0.3699

0.0000, 0.0000,  
0.0000

43.5658, 0.3636,  
0.4076

43.5658, 0.3636,  
0.4076

42.8057, 0.3785,  
0.4300

44.4164, 0.3482,  
0.3841

42.1254, 0.3922,  
0.4504

45.3560, 0.3328,  
0.3603

41.5217, 0.4043,  
0.4679


46.3907, 0.3178,  
0.3370


40.9887, 0.4141,  
0.4816


47.5241, 0.3035,  
0.3146


40.5198, 0.4214,  
0.4911


48.7600, 0.2902,  
0.2935


 40.1067, 0.4260,  
0.4964

 50.1018, 0.2778,  
0.2739

 39.8576, 0.4281,  
0.4983

 51.5528, 0.2665,  
0.2558

 52.3451, 0.2627,  
0.2503

 52.7230, 0.2628,  
0.2514

# Harmonies

## Analogous

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



43.5658, 0.3934, 0.3883



43.5658, 0.3636, 0.4076



43.5658, 0.3213, 0.4041

# Triad

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



43.5658, 0.3636, 0.4076



43.5658, 0.2318, 0.2919



43.5658, 0.3443, 0.2883

# Complementary

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



43.5658, 0.3636, 0.4076



21.8612, 0.2541, 0.2360

# 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.



43.5658, 0.2991, 0.2659



43.5658, 0.3636, 0.4076



43.5658, 0.2367, 0.2659

# Square

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



43.5658, 0.3636, 0.4076



43.5658, 0.2464, 0.3322



43.5658, 0.2604, 0.2575



43.5658, 0.3828, 0.3203



# Rectangle

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



43.5658, 0.3636, 0.4076



43.5658, 0.2921, 0.3873



43.5658, 0.2604, 0.2575



43.5658, 0.3293, 0.2795

# Sweetspot

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



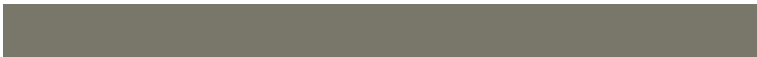
43.5678, 0.3636, 0.4076



82.8397, 0.3277, 0.3524



25.0807, 0.3856, 0.3248



18.2400, 0.3299, 0.3557



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



43.5678, 0.3636, 0.4076



77.9848, 0.3743, 0.4239



41.7602, 0.3369, 0.4186



10.4258, 0.3265, 0.3505



28.1772, 0.4280, 0.4984



1.0166, 0.4256, 0.5003



# Inverse Universe

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



21.8612, 0.2541, 0.2360



32.7498, 0.2394, 0.2122



23.3950, 0.2806, 0.2380



8.7883, 0.2984, 0.3065



2.5508, 0.1511, 0.0637



0.1140, 0.1552, 0.0785



# Previews

## White Background



This preview shows how the Yxy color 43.5658, 0.3636, 0.4076 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

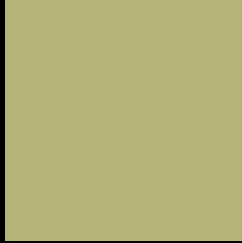
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.5658, 0.3636, 0.4076 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

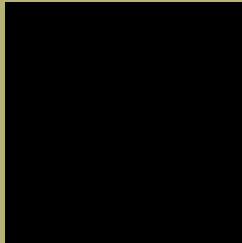
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.5658, 0.3636, 0.4076**

## Background



This preview shows how black text looks on a background with the Yxy color 43.5658, 0.3636, 0.4076.



This preview shows how white text looks on a background with the Yxy color 43.5658, 0.3636, 0.4076.

# 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

43.5658, 0.3636, 0.4076

### Protanopia

43.4831, 0.3744, 0.4029

### Deuteranopia

43.5076, 0.3936, 0.3862



## Tritanopia

43.5337, 0.3189, 0.3123

# Trichromacy



## Original Color

43.5658, 0.3636, 0.4076

## Protanomaly

43.4917, 0.3710, 0.4049

## Deuteranomaly

43.5716, 0.3828, 0.3945

## Tritanomaly

43.4101, 0.3356, 0.3463

# Monochromacy



## Original Color

43.5658, 0.3636, 0.4076

## Achromatopsia

41.7885, 0.3127, 0.3290

## Achromatomaly

42.2231, 0.3312, 0.3580

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.5658, 0.3636, 0.4076 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(182, 179, 121)` looks like.

```
.text, #text, p{  
    color:rgb(182, 179, 121)  
}
```

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(182, 179, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 179, 121) }
```

## Border

The CSS property to change the border of an element to Yxy 43.5658, 0.3636, 0.4076 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(182, 179, 121) }
```

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

```
.border{ border-color:rgb(182, 179, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 179, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 179, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 179, 121);  
box-shadow:4px 4px 4px 4px rgb(182, 179,  
121) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.5658, 0.3636, 0.4076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 179, 121) }
```

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

```
.background{ background-color: rgb(182,  
179, 121) }
```

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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