

# Converting Colors

$Yxy(43.4911, 0.3149, 0.3272)$

Have a look what the booklet for  
Yxy(43.4911, 0.3149, 0.3272)  
contains.

<b>Yxy(43.4180, 0.3146, 0.3263)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(43.4180, 0.3146, 0.3263)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3AFB1
RGB	179, 175, 177
RGB Percent	70%, 69%, 69%
CMY	0.2980, 0.3137, 0.3058
CMYK	0.00, 0.02, 0.01, 0.30
HSL	330°, 3%, 69%
HSV	330°, 2%, 70%
XYZ	41.8612, 43.4180, 47.7824
YIQ	176.4240, 1.7420, 1.4700

# Conversions

## Conversions Part 2

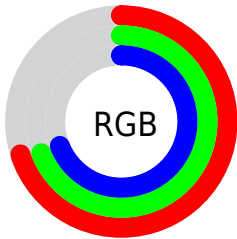
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 175, 177
Decimal	11775921
CIELab	71.84, 1.81, -0.54
CIElCh	72, 1.886, 343.358
Yxy	43.4180, 0.3146, 0.3263
Android (android.graphics.Color)	4289966001 (0xFFB3AFB1)
YUV	176.4240, 0.2840, 2.2592
Hunter-Lab	65.8923, -1.9111, 3.1300

# Details

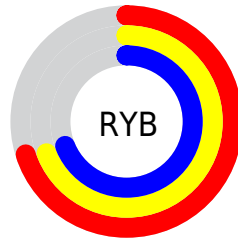
The Yxy color **43.4180, 0.3146, 0.3263** is a light color, and the websafe version is hex **999999**. A complement of this color would be **44.5350, 0.3109, 0.3317**, and the grayscale version is **43.6495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1390, 0.3142, 0.3259**, and **20.0568, 0.3152, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **36.5650, 0.3240, 0.3138**, and if you desaturate by 10%, it is **51.2215, 0.3068, 0.3380**.

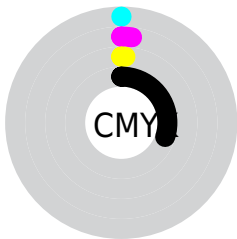
# Distribution



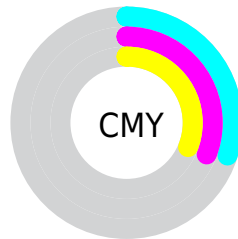
- Red (70%)
- Green (69%)
- Blue (69%)



- Red (70%)
- Yellow (69%)
- Blue (69%)



- Cyan (0%)
- Magenta (2%)
- Yellow (1%)
- Black (30%)



- Cyan (30%)
- Magenta (31%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.4180, 0.3146, 0.3263 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 43.4180, 0.3146, 0.3263 by changing the saturation by 10% instead.



■ 43.4180, 0.3146,  
0.3263

■ 43.4180, 0.3146,  
0.3263

360.3280, 0.3137,  
0.3277

■ 30.2132, 0.3148,  
0.3260

■ 80.3413, 0.3143,  
0.3268

■ 20.0005, 0.3152,  
0.3255

104.8285, 0.3141,  
0.3270

■ 12.3954, 0.3156,  
0.3249

133.8454, 0.3140,  
0.3271

■ 7.0136, 0.3162,  
0.3240

167.7763, 0.3139,  
0.3273

■ 3.4706, 0.3171,  
0.3227

207.0056, 0.3138,  
0.3274

■ 1.3821, 0.3186,  
0.3205

251.9178, 0.3138,

■ 0.2035, 0.3392,

0.3275

0.2906

302.8971, 0.3137,  
0.3276

0.0000, 0.0000,  
0.0000

43.4180, 0.3146,  
0.3263

43.4180, 0.3146,  
0.3263

36.5650, 0.3240,  
0.3138

51.2215, 0.3068,  
0.3380

30.6205, 0.3353,  
0.3008

60.0044, 0.3003,  
0.3488

25.5474, 0.3488,  
0.2874

69.8013, 0.2950,  
0.3588

21.3039, 0.3648,  
0.2743

80.6436, 0.2906,  
0.3680

17.8450, 0.3832,  
0.2621

86.3453, 0.2863,  
0.3665

■ 15.1212, 0.4041,  
0.2519

■ 86.8315, 0.2818,  
0.3564

■ 13.0772, 0.4271,  
0.2448

■ 87.3430, 0.2774,  
0.3463

■ 11.6499, 0.4511,  
0.2421

■ 87.8802, 0.2730,  
0.3365

■ 10.7642, 0.4752,  
0.2445

■ 88.3259, 0.2696,  
0.3289

# Harmonies

## Analogous

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



43.4180, 0.3119, 0.3248



43.4180, 0.3146, 0.3263



43.4180, 0.3168, 0.3285

# Triad

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



43.4180, 0.3146, 0.3263



43.4180, 0.3161, 0.3337



43.4180, 0.3075, 0.3271

# Complementary

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



43.4180, 0.3146, 0.3263



44.5350, 0.3109, 0.3317

# 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.



43.4180, 0.3086, 0.3295



43.4180, 0.3146, 0.3263



43.4180, 0.3136, 0.3333

# Square

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



43.4180, 0.3146, 0.3263



43.4180, 0.3177, 0.3328



43.4180, 0.3108, 0.3318



43.4180, 0.3078, 0.3252



# Rectangle

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



43.4180, 0.3146, 0.3263



43.4180, 0.3177, 0.3301



43.4180, 0.3108, 0.3318



43.4180, 0.3078, 0.3279

# Sweetspot

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



43.4199, 0.3146, 0.3263



79.3713, 0.3136, 0.3278



43.2541, 0.3111, 0.3236



17.6006, 0.3135, 0.3278



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



43.4199, 0.3146, 0.3263



76.6974, 0.3153, 0.3253



43.3421, 0.3162, 0.3289



9.4369, 0.3159, 0.3245



7.3114, 0.4909, 0.2478



0.2418, 0.4314, 0.2150



# Inverse Universe

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



43.4199, 0.3146, 0.3263



76.6974, 0.3153, 0.3253



44.6138, 0.3093, 0.3291



9.4369, 0.3159, 0.3245



7.3114, 0.4909, 0.2478

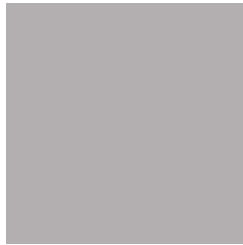


0.2418, 0.4314, 0.2150



# Previews

## White Background



This preview shows how the Yxy color 43.4180, 0.3146, 0.3263 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

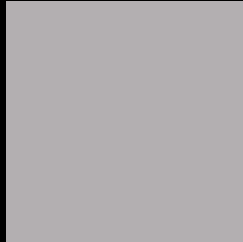
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.4180, 0.3146, 0.3263 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

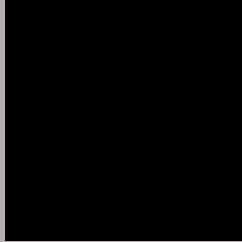
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

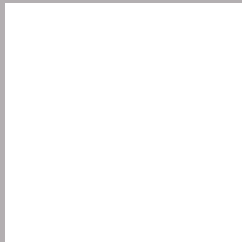
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.4180, 0.3146, 0.3263**

## Background



This preview shows how black text looks on a background with the Yxy color 43.4180, 0.3146, 0.3263.

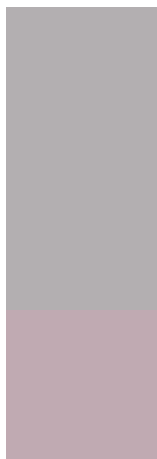


This preview shows how white text looks on a background with the Yxy color 43.4180, 0.3146, 0.3263.

# 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

43.4180, 0.3146, 0.3263

### Protanopia

43.4180, 0.3146, 0.3263

### Deuteranopia

43.1703, 0.3260, 0.3187



## Tritanopia

43.2988, 0.3083, 0.3107

# Trichromacy



## Original Color

43.4180, 0.3146, 0.3263

## Protanomaly

43.4180, 0.3146, 0.3263

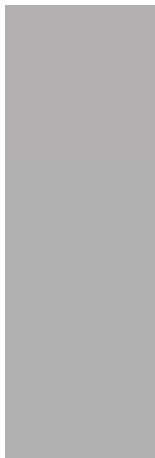
## Deuteranomaly

43.2842, 0.3212, 0.3212

## Tritanomaly

43.3943, 0.3106, 0.3171

# Monochromacy



## Original Color

43.4180, 0.3146, 0.3263

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

43.5324, 0.3136, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.4180, 0.3146, 0.3263 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(179, 175, 177)` looks like.

```
.text, #text, p{  
    color:rgb(179, 175, 177)  
}
```

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(179, 175, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 175, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 43.4180, 0.3146, 0.3263 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(179, 175, 177) }
```

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

```
.border{ border-color:rgb(179, 175, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 175, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 175, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 175, 177);  
box-shadow:4px 4px 4px 4px rgb(179, 175,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.4180, 0.3146, 0.3263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 175, 177) }
```

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

```
.background{ background-color: rgb(179,  
175, 177) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor