

# Converting Colors

Yxy(43.6434, 0.3001, 0.3297)

Have a look what the booklet for  
Yxy(43.6434, 0.3001, 0.3297)  
contains.

<b>Yxy(43.7897, 0.3000, 0.3303)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(43.7897, 0.3000, 0.3303)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4B4B3
RGB	164, 180, 179
RGB Percent	64%, 71%, 70%
CMY	0.3568, 0.2941, 0.2980
CMYK	0.09, 0.00, 0.01, 0.29
HSL	176°, 10%, 67%
HSV	176°, 9%, 71%
XYZ	39.7727, 43.7897, 49.0132
YIQ	175.1020, -9.2150, -3.7030

# Conversions

## Conversions Part 2

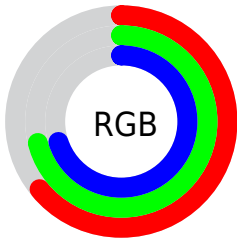
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 172, 180
Decimal	10794163
CIELab	72.09, -5.71, -1.40
CIELCh	72, 5.875, 193.816
Yxy	43.7897, 0.3000, 0.3303
Android (android.graphics.Color)	4288984243 (0xFFA4B4B3)
YUV	175.1020, 1.9217, -9.7365
Hunter-Lab	66.1738, -8.5196, 2.4071

# Details

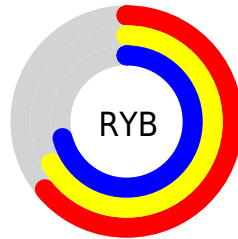
The Yxy color  $43.7897, 0.3000, 0.3303$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $38.9790, 0.3270, 0.3277$ , and the grayscale version is  $42.9219, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $81.0491, 0.3022, 0.3300$ , and  $20.1298, 0.2965, 0.3309$  is the 20% darker color. If you saturate the color by 10%, you get  $41.9653, 0.2864, 0.3319$ , and if you desaturate by 10%, it is  $45.8892, 0.3144, 0.3288$ .

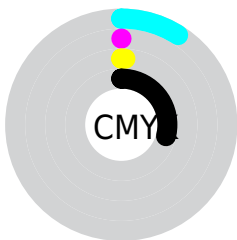
# Distribution



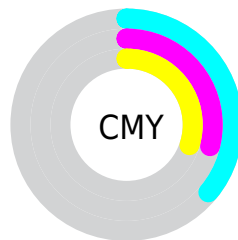
- Red (64%)
- Green (71%)
- Blue (70%)



- Red (64%)
- Yellow (67%)
- Blue (71%)



- Cyan (9%)
- Magenta (0%)
- Yellow (1%)
- Black (29%)



- Cyan (36%)
- Magenta (29%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.7897, 0.3000, 0.3303 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 43.7897, 0.3000, 0.3303 by changing the saturation by 10% instead.




 43.7897, 0.3000,  
0.3303

 43.7897, 0.3000,  
0.3303

361.8494, 0.3064,  
0.3297

 30.5052, 0.2984,  
0.3304


 80.9012, 0.3023,  
0.3301

 20.2224, 0.2963,  
0.3306


 105.4970, 0.3032,  
0.3300

 12.5568, 0.2935,  
0.3309


134.6320, 0.3040,  
0.3299

 7.1241, 0.2895,  
0.3312

168.6907, 0.3046,  
0.3299

 3.5398, 0.2835,  
0.3317

208.0574, 0.3051,  
0.3298

 1.4196, 0.2733,  
0.3324

253.1164, 0.3056,

 0.2311, 0.1216,

0.3298

0.3495

304.2523, 0.3060,  
0.3297

0.0000, 0.0000,  
0.0000

43.7897, 0.3000,  
0.3303

43.7897, 0.3000,  
0.3303

41.9653, 0.2864,  
0.3319

45.8892, 0.3144,  
0.3288

40.3991, 0.2737,  
0.3336

48.2689, 0.3292,  
0.3275

39.0809, 0.2623,  
0.3355

50.9408, 0.3441,  
0.3264

37.9976, 0.2525,  
0.3374

53.9144, 0.3591,  
0.3253

37.1349, 0.2444,  
0.3394

57.1989, 0.3738,  
0.3244

■ 36.4769, 0.2381,  
0.3414

■ 57.4304, 0.3737,  
0.3233

■ 36.0057, 0.2337,  
0.3434

■ 57.4773, 0.3727,  
0.3221

■ 35.7002, 0.2311,  
0.3454

■ 57.5246, 0.3717,  
0.3210

■ 35.5226, 0.2300,  
0.3474

■ 57.5722, 0.3707,  
0.3198

# Harmonies

## Analogous

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



43.7897, 0.3067, 0.3375



43.7897, 0.3000, 0.3303



43.7897, 0.2967, 0.3228

# Triad

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



43.7897, 0.3000, 0.3303



43.7897, 0.3102, 0.3161



43.7897, 0.3281, 0.3407

# Complementary

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



43.7897, 0.3000, 0.3303



38.9790, 0.3270, 0.3277

# 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.



43.7897, 0.3291, 0.3349



43.7897, 0.3000, 0.3303



43.7897, 0.3186, 0.3207

# Square

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



43.7897, 0.3000, 0.3303



43.7897, 0.3025, 0.3147



43.7897, 0.3256, 0.3276



43.7897, 0.3229, 0.3436



# Rectangle

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



43.7897, 0.3000, 0.3303



43.7897, 0.2968, 0.3187



43.7897, 0.3256, 0.3276



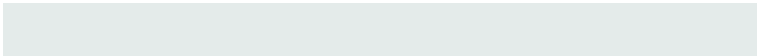
43.7897, 0.3289, 0.3391

# Sweetspot

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



43.7915, 0.3000, 0.3303



81.5605, 0.3083, 0.3294



43.3311, 0.3126, 0.3513



17.5620, 0.3071, 0.3296



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.



43.7915, 0.3000, 0.3303



78.5975, 0.2968, 0.3307



41.1061, 0.2992, 0.3194



9.6224, 0.2994, 0.3304



24.7850, 0.2298, 0.3474



0.7825, 0.2283, 0.3418



# Inverse Universe

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



38.9790, 0.3270, 0.3277



67.7658, 0.3312, 0.3274



41.4892, 0.3269, 0.3384



8.5134, 0.3278, 0.3276



6.7928, 0.6320, 0.3255



0.2165, 0.6003, 0.3081



# Previews

## White Background



This preview shows how the Yxy color 43.7897, 0.3000, 0.3303 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

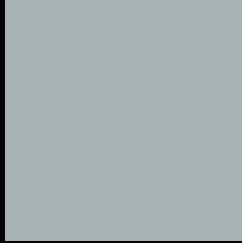
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.7897, 0.3000, 0.3303 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

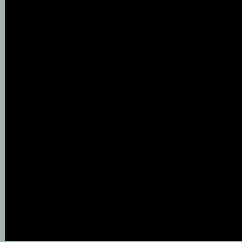
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

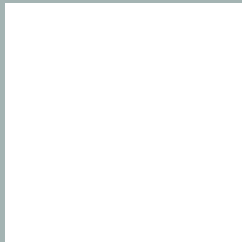
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.7897, 0.3000, 0.3303**

## Background



This preview shows how black text looks on a background with the Yxy color 43.7897, 0.3000, 0.3303.

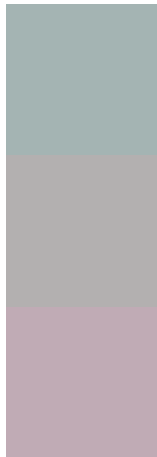


This preview shows how white text looks on a background with the Yxy color 43.7897, 0.3000, 0.3303.

# 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

43.7897, 0.3000, 0.3303

### Protanopia

43.7690, 0.3154, 0.3290

### Deuteranopia

43.6685, 0.3233, 0.3162



## Tritanopia

43.7536, 0.2918, 0.3102

# Trichromacy



## Original Color

43.7897, 0.3000, 0.3303

## Protanomaly

43.6173, 0.3101, 0.3290

## Deuteranomaly

43.5125, 0.3149, 0.3211

## Tritanomaly

43.8274, 0.2947, 0.3181

# Monochromacy



## Original Color

43.7897, 0.3000, 0.3303

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

43.2368, 0.3083, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.7897, 0.3000, 0.3303 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(164, 180, 179)` looks like.

```
.text, #text, p{  
    color:rgb(164, 180, 179)  
}
```

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(164, 180, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 180, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 43.7897, 0.3000, 0.3303 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(164, 180, 179) }
```

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

```
.border{ border-color:rgb(164, 180, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 180, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 180, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 180, 179);  
box-shadow:4px 4px 4px 4px rgb(164, 180,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.7897, 0.3000, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 180, 179) }
```

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

```
.background{ background-color: rgb(164,  
180, 179) }
```

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