

# Converting Colors

$Y_{xy}(43.6590, 0.2984, 0.3272)$

Have a look what the booklet for  
Yxy(43.6590, 0.2984, 0.3272)  
contains.

<b>Yxy(43.8712, 0.2985, 0.3276)</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(43.8712, 0.2985, 0.3276)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4B4B5
RGB	164, 180, 181
RGB Percent	64%, 71%, 71%
CMY	0.3568, 0.2941, 0.2902
CMYK	0.09, 0.01, 0.00, 0.29
HSL	184°, 10%, 68%
HSV	184°, 9%, 71%
XYZ	39.9742, 43.8712, 50.0716
YIQ	175.3300, -9.8570, -3.0810

# Conversions

## Conversions Part 2

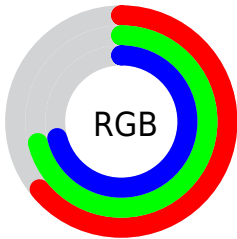
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 172, 181
Decimal	10794165
CIELab	72.14, -5.31, -2.40
CIElCh	72, 5.829, 204.361
Yxy	43.8712, 0.2985, 0.3276
Android (android.graphics.Color)	4288984245 (0xFFA4B4B5)
YUV	175.3300, 2.7953, -9.9364
Hunter-Lab	66.2353, -8.1839, 1.5436

# Details

The Yxy color  $43.8712, 0.2985, 0.3276$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $39.4200, 0.3287, 0.3304$ , and the grayscale version is  $43.0411, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $81.1654, 0.3010, 0.3279$ , and  $20.1820, 0.2944, 0.3270$  is the 20% darker color. If you saturate the color by 10%, you get  $41.6565, 0.2840, 0.3260$ , and if you desaturate by 10%, it is  $46.3669, 0.3137, 0.3291$ .

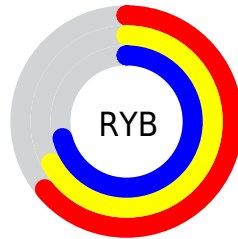
# Distribution



Red (64%)

Green (71%)

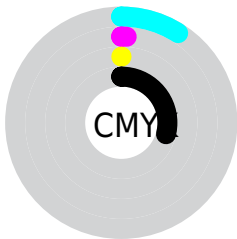
Blue (71%)



Red (64%)

Yellow (67%)

Blue (71%)

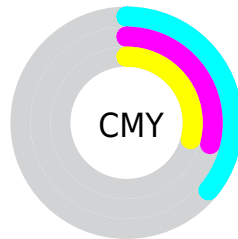


Cyan (9%)

Magenta (1%)

Yellow (0%)

Black (29%)



Cyan (36%)

Magenta (29%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.8712, 0.2985, 0.3276 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 43.8712, 0.2985, 0.3276 by changing the saturation by 10% instead.



■ 43.8712, 0.2985,  
0.3276

■ 43.8712, 0.2985,  
0.3276

362.1824, 0.3057,  
0.3284

■ 30.5693, 0.2967,  
0.3274

■ 81.0239, 0.3011,  
0.3279

■ 20.2711, 0.2944,  
0.3271

■ 105.6434, 0.3021,  
0.3280

■ 12.5922, 0.2912,  
0.3268

134.8043, 0.3029,  
0.3281

■ 7.1484, 0.2868,  
0.3262

168.8909, 0.3036,  
0.3281

■ 3.5551, 0.2802,  
0.3253

208.2876, 0.3042,  
0.3282

■ 1.4279, 0.2690,  
0.3236

253.3789, 0.3048,

■ 0.2372, 0.1262,

0.3283

0.3124

304.5490, 0.3052,  
0.3283

0.0000, 0.0000,  
0.0000

43.8712, 0.2985,  
0.3276

43.8712, 0.2985,  
0.3276

41.6565, 0.2840,  
0.3260

46.3669, 0.3137,  
0.3291

39.7058, 0.2704,  
0.3243

49.1489, 0.3292,  
0.3304

38.0085, 0.2581,  
0.3224

52.2293, 0.3449,  
0.3317

36.5514, 0.2473,  
0.3205

55.6178, 0.3605,  
0.3327

35.3198, 0.2382,  
0.3186

59.3238, 0.3758,  
0.3337

■ 34.2977, 0.2309,  
0.3166

■ 59.8600, 0.3759,  
0.3348

■ 33.4666, 0.2255,  
0.3147

■ 60.3086, 0.3756,  
0.3359

■ 32.8050, 0.2219,  
0.3127

■ 60.7604, 0.3753,  
0.3370

■ 32.2718, 0.2198,  
0.3108

■ 61.2156, 0.3750,  
0.3381

# Harmonies

## Analogous

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



43.8712, 0.3041, 0.3351



43.8712, 0.2985, 0.3276



43.8712, 0.2966, 0.3206

# Triad

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



43.8712, 0.2985, 0.3276



43.8712, 0.3132, 0.3175



43.8712, 0.3266, 0.3420

# Complementary

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



43.8712, 0.2985, 0.3276



39.4200, 0.3287, 0.3304

# 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.



43.8712, 0.3291, 0.3371



43.8712, 0.2985, 0.3276



43.8712, 0.3213, 0.3230

# Square

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



43.8712, 0.2985, 0.3276



43.8712, 0.3050, 0.3149



43.8712, 0.3271, 0.3302



43.8712, 0.3203, 0.3435



# Rectangle

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



43.8712, 0.2985, 0.3276



43.8712, 0.2978, 0.3172



43.8712, 0.3271, 0.3302



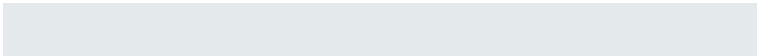
43.8712, 0.3279, 0.3407

# Sweetspot

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



43.8730, 0.2985, 0.3276



81.3506, 0.3080, 0.3286



43.6511, 0.3109, 0.3515



17.5048, 0.3068, 0.3284



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.



43.8730, 0.2985, 0.3276



77.8300, 0.2958, 0.3273



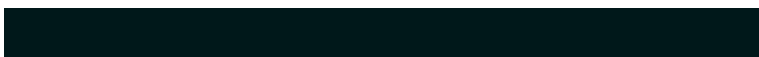
40.6064, 0.2984, 0.3161



9.5447, 0.2986, 0.3276



22.2635, 0.2197, 0.3109



0.7260, 0.2212, 0.3163



# Inverse Universe

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



39.6775, 0.3146, 0.3077



68.9825, 0.3150, 0.3035



42.5277, 0.3275, 0.3416



8.6380, 0.3146, 0.3078



8.7876, 0.3359, 0.1624



0.2791, 0.3313, 0.1599



# Previews

## White Background



This preview shows how the Yxy color 43.8712, 0.2985, 0.3276 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

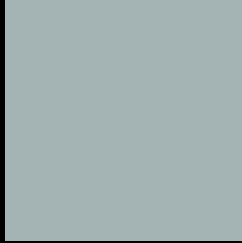
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.8712, 0.2985, 0.3276 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

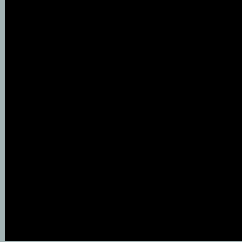
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

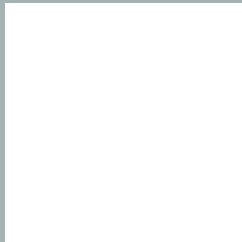
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.8712, 0.2985, 0.3276**

## Background



This preview shows how black text looks on a background with the Yxy color 43.8712, 0.2985, 0.3276.



This preview shows how white text looks on a background with the Yxy color 43.8712, 0.2985, 0.3276.

# 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

43.8712, 0.2985, 0.3276

### Protanopia

43.8487, 0.3137, 0.3263

### Deuteranopia

43.6211, 0.3206, 0.3136



## Tritanopia

43.7536, 0.2918, 0.3102

# Trichromacy



## Original Color

43.8712, 0.2985, 0.3276

## Protanomaly

43.6976, 0.3085, 0.3263

## Deuteranomaly

43.4733, 0.3123, 0.3185

## Tritanomaly

43.8704, 0.2940, 0.3168

# Monochromacy



## Original Color

43.8712, 0.2985, 0.3276

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

43.2765, 0.3075, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.8712, 0.2985, 0.3276 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(164, 180, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 180, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 43.8712, 0.2985, 0.3276 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, 181) }
```

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

```
.border{ border-color:rgb(164, 180, 181) }
```

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, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 180, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 180, 181);  
box-shadow:4px 4px 4px 4px rgb(164, 180,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.8712, 0.2985, 0.3276 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, 181) }
```

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

```
.background{ background-color: rgb(164,  
180, 181) }
```

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