

# Converting Colors

$Y_{xy}(43.5056, 0.2836, 0.3345)$

Have a look what the booklet for  
Yxy(43.5056, 0.2836, 0.3345)  
contains.

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# Color

**Yxy(43.5056, 0.2837, 0.3346)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90B8B4
RGB	144, 184, 180
RGB Percent	56%, 72%, 71%
CMY	0.4351, 0.2785, 0.2941
CMYK	0.22, 0.00, 0.02, 0.28
HSL	174°, 22%, 64%
HSV	174°, 22%, 72%
XYZ	36.8874, 43.5056, 49.6297
YIQ	171.5840, -22.5560, -9.7240

# Conversions

## Conversions Part 2

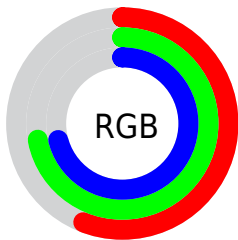
Format	Color
<b>RYB</b>	144, 165, 184
Decimal	9484468
CIELab	71.90, -14.15, -2.37
CIElCh	72, 14.351, 189.514
Yxy	43.5056, 0.2837, 0.3346
Android (android.graphics.Color)	4287674548 (0xFF90B8B4)
YUV	171.5840, 4.1491, -24.1912
Hunter-Lab	65.9588, -15.6017, 1.5593

# Details

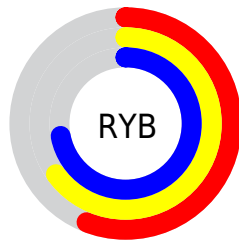
The Yxy color **43.5056, 0.2837, 0.3346** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.2943, 0.3516, 0.3235**, and the grayscale version is **41.0273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5184, 0.2891, 0.3333**, and **20.0921, 0.2760, 0.3369** is the 20% darker color. If you saturate the color by 10%, you get **41.9080, 0.2718, 0.3375**, and if you desaturate by 10%, it is **45.3778, 0.2966, 0.3319**.

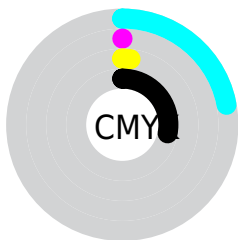
# Distribution



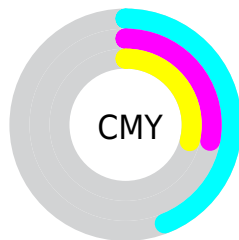
- Red (56%)
- Green (72%)
- Blue (71%)



- Red (56%)
- Yellow (65%)
- Blue (72%)



- Cyan (22%)
- Magenta (0%)
- Yellow (2%)
- Black (28%)




- Cyan (44%)
- Magenta (28%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.5056, 0.2837, 0.3346 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 43.5056, 0.2837, 0.3346 by changing the saturation by 10% instead.





 43.5056, 0.2837,  
0.3346


 43.5056, 0.2837,  
0.3346


360.6869, 0.2983,  
0.3319

 30.2820, 0.2800,  
0.3353


 80.4733, 0.2890,  
0.3336

 20.0527, 0.2753,  
0.3361


 104.9862, 0.2910,  
0.3333

 12.4334, 0.2690,  
0.3371

134.0309, 0.2927,  
0.3329

 7.0396, 0.2601,  
0.3386

167.9920, 0.2941,  
0.3327

 3.4869, 0.2467,  
0.3406

207.2537, 0.2954,  
0.3324

 1.3909, 0.2243,  
0.3435

252.2005, 0.2965,

 0.2100, 0.0000,

0.3322

0.3474

303.2168, 0.2974,  
0.3320

0.0000, 0.0000,  
0.0000

43.5056, 0.2837,  
0.3346

43.5056, 0.2837,  
0.3346

41.9080, 0.2718,  
0.3375

45.3778, 0.2966,  
0.3319

40.5666, 0.2611,  
0.3406

47.5315, 0.3103,  
0.3294

39.4690, 0.2521,  
0.3439

49.9798, 0.3245,  
0.3271

38.5997, 0.2447,  
0.3472

52.7336, 0.3388,  
0.3251

37.9414, 0.2392,  
0.3506

55.8031, 0.3532,  
0.3233

■ 37.4744, 0.2357,  
0.3540

■ 59.1981, 0.3674,  
0.3218

■ 37.1751, 0.2339,  
0.3574

■ 59.3827, 0.3663,  
0.3199

■ 37.0151, 0.2334,  
0.3602

■ 59.4654, 0.3647,  
0.3180

■ 59.5491, 0.3631,  
0.3161

# Harmonies

## Analogous

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



43.5056, 0.3006, 0.3525



43.5056, 0.2837, 0.3346



43.5056, 0.2745, 0.3157

# Triad

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



43.5056, 0.2837, 0.3346



43.5056, 0.3033, 0.2971



43.5056, 0.3515, 0.3555

# Complementary

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



43.5056, 0.2837, 0.3346



32.2943, 0.3516, 0.3235

# 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.



43.5056, 0.3525, 0.3401



43.5056, 0.2837, 0.3346



43.5056, 0.3241, 0.3071

# Square

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



43.5056, 0.2837, 0.3346



43.5056, 0.2855, 0.2948



43.5056, 0.3423, 0.3226



43.5056, 0.3399, 0.3644



# Rectangle

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



43.5056, 0.2837, 0.3346



43.5056, 0.2739, 0.3054



43.5056, 0.3423, 0.3226



43.5056, 0.3531, 0.3509

# Sweetspot

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



43.5074, 0.2837, 0.3346



83.9934, 0.3028, 0.3307



42.6562, 0.3138, 0.3878



18.0580, 0.3020, 0.3309



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.



43.5074, 0.2837, 0.3346



77.4449, 0.2779, 0.3360



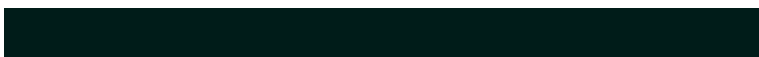
37.6540, 0.2794, 0.3068



10.1947, 0.2998, 0.3313



25.5190, 0.2333, 0.3598



0.9041, 0.2309, 0.3511



# Inverse Universe

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



32.2943, 0.3516, 0.3235



53.5112, 0.3628, 0.3223



37.1278, 0.3515, 0.3502



9.0264, 0.3272, 0.3267



7.0592, 0.6266, 0.3225



0.2537, 0.5812, 0.2975



# Previews

## White Background



This preview shows how the Yxy color 43.5056, 0.2837, 0.3346 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

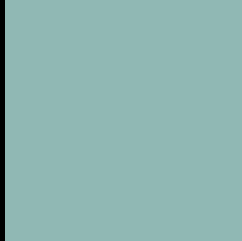
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.5056, 0.2837, 0.3346 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

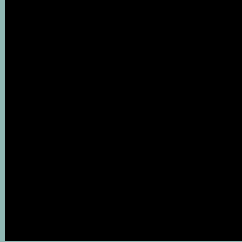
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

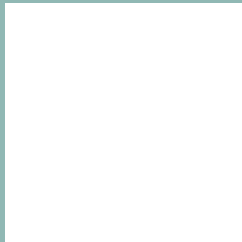
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.5056, 0.2837, 0.3346**

## Background



This preview shows how black text looks on a background with the Yxy color 43.5056, 0.2837, 0.3346.

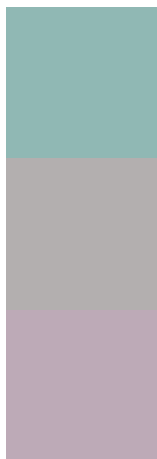


This preview shows how white text looks on a background with the Yxy color 43.5056, 0.2837, 0.3346.

# 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

43.5056, 0.2837, 0.3346

### Protanopia

43.3388, 0.3163, 0.3290

### Deuteranopia

42.9872, 0.3189, 0.3122



## Tritanopia

43.6445, 0.2747, 0.3096

# Trichromacy



## Original Color

43.5056, 0.2837, 0.3346

## Protanomaly

43.1221, 0.3032, 0.3303

## Deuteranomaly

42.9216, 0.3053, 0.3196

## Tritanomaly

43.6957, 0.2781, 0.3191

# Monochromacy



## Original Color

43.5056, 0.2837, 0.3346

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

41.8272, 0.3014, 0.3304

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.5056, 0.2837, 0.3346 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(144, 184, 180)` looks like.

```
.text, #text, p{  
    color:rgb(144, 184, 180)  
}
```

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(144, 184, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 184, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 43.5056, 0.2837, 0.3346 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(144, 184, 180) }
```

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

```
.border{ border-color:rgb(144, 184, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 184, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 184, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 184, 180);  
box-shadow:4px 4px 4px 4px rgb(144, 184,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.5056, 0.2837, 0.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 184, 180) }
```

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

```
.background{ background-color: rgb(144,  
184, 180) }
```

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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