

# Converting Colors

$Yxy(43.7844, 0.3013, 0.3689)$

Have a look what the booklet for  
Yxy(43.7844, 0.3013, 0.3689)  
contains.

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# Color

**Yxy(43.8241, 0.3011, 0.3681)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 93BA9F                       |
| RGB         | 147, 186, 159                |
| RGB Percent | 58%, 73%, 62%                |
| CMY         | 0.4236, 0.2706, 0.3764       |
| CMYK        | 0.21, 0.00, 0.15, 0.27       |
| HSL         | 139°, 22%, 65%               |
| HSV         | 139°, 21%, 73%               |
| XYZ         | 35.8474, 43.8241, 39.3834    |
| YIQ         | 171.2610, -14.5770, -16.6650 |

# Conversions

## Conversions Part 2

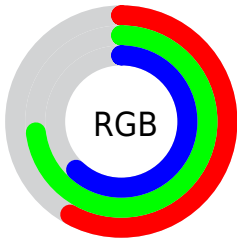
| <b>Format</b>                       | <b>Color</b>                                    |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">147, 177, 186</a>                   |
| Decimal                             | <a href="#">9681567</a>                         |
| CIELab                              | <a href="#">72.11, -18.54, 9.42</a>             |
| CIElCh                              | <a href="#">72, 20.790, 153.072</a>             |
| Yxy                                 | <a href="#">43.8241, 0.3011,<br/>0.3681</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4287871647<br/>(0xFF93BA9F)</a>     |
| YUV                                 | <a href="#">171.2610, -6.0447,<br/>-21.2769</a> |
| Hunter-Lab                          | <a href="#">66.1998, -19.1912,<br/>11.0672</a>  |

# Details

The Yxy color **43.8241, 0.3011, 0.3681** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.3524, 0.3267, 0.2929**, and the grayscale version is **40.8983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7768, 0.3030, 0.3600**, and **20.3446, 0.2973, 0.3800** is the 20% darker color. If you saturate the color by 10%, you get **41.8201, 0.2959, 0.3901**, and if you desaturate by 10%, it is **46.1563, 0.3066, 0.3483**.

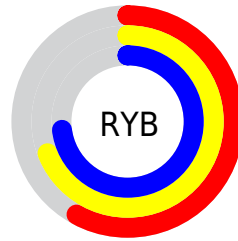
# Distribution



Red (58%)

Green (73%)

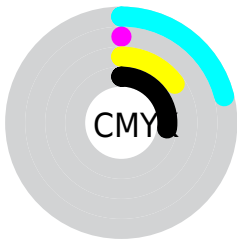
Blue (62%)



Red (58%)

Yellow (69%)

Blue (73%)

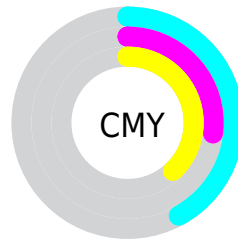


Cyan (21%)

Magenta (0%)

Yellow (15%)

Black (27%)



Cyan (42%)

Magenta (27%)


Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.8241, 0.3011, 0.3681 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 43.8241, 0.3011, 0.3681 by changing the saturation by 10% instead.





 43.8241, 0.3011,  
0.3681


 43.8241, 0.3011,  
0.3681


361.9900, 0.3072,  
0.3478

 30.5322, 0.2995,  
0.3734


 80.9530, 0.3034,  
0.3606

 20.2429, 0.2973,  
0.3804


 105.5588, 0.3042,  
0.3578

 12.5718, 0.2943,  
0.3899


134.7048, 0.3049,  
0.3554

 7.1343, 0.2898,  
0.4038

168.7752, 0.3055,  
0.3535

 3.5462, 0.2826,  
0.4258

208.1546, 0.3061,  
0.3518

 1.4231, 0.2698,  
0.4671

253.2272, 0.3065,

 0.2337, 0.0000,

0.3503

1.0000

304.3776, 0.3069,  
0.3490

0.0000, 0.0000,  
0.0000

43.8241, 0.3011,  
0.3681

43.8241, 0.3011,  
0.3681

41.8201, 0.2959,  
0.3901

46.1563, 0.3066,  
0.3483

40.1239, 0.2912,  
0.4140

48.8248, 0.3122,  
0.3306

38.7215, 0.2873,  
0.4396


51.8446, 0.3177,  
0.3151

37.5954, 0.2846,  
0.4660

55.2278, 0.3230,  
0.3014


36.7265, 0.2833,  
0.4923


58.9863, 0.3281,  
0.2895

 36.0928, 0.2836,  
0.5173

 62.4467, 0.3301,  
0.2787

 35.6687, 0.2855,  
0.5399

 63.2218, 0.3203,  
0.2668

 35.4214, 0.2882,  
0.5575

 63.6014, 0.3159,  
0.2614

# Harmonies

## Analogous

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



43.8241, 0.3308, 0.3812



43.8241, 0.3011, 0.3681



43.8241, 0.2754, 0.3429

# Triad

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



43.8241, 0.3011, 0.3681



43.8241, 0.2695, 0.2811



43.8241, 0.3686, 0.3390

# Complementary

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



43.8241, 0.3011, 0.3681



34.3524, 0.3267, 0.2929

# 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.



43.8241, 0.3506, 0.3145



43.8241, 0.3011, 0.3681



43.8241, 0.2928, 0.2820

# Square

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



43.8241, 0.3011, 0.3681



43.8241, 0.2578, 0.2924



43.8241, 0.3225, 0.2941



43.8241, 0.3706, 0.3623



# Rectangle

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



43.8241, 0.3011, 0.3681



43.8241, 0.2636, 0.3239



43.8241, 0.3225, 0.2941



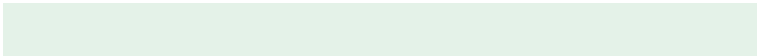
43.8241, 0.3642, 0.3307

# Sweetspot

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



43.8259, 0.3011, 0.3681



85.9384, 0.3093, 0.3394



46.2599, 0.3334, 0.3823



18.8558, 0.3090, 0.3405



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

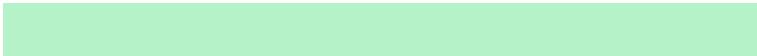


# Same Dimension

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



43.8259, 0.3011, 0.3681



77.7489, 0.2987, 0.3776



44.5441, 0.2873, 0.3400



10.1046, 0.3075, 0.3452



23.8400, 0.2876, 0.5552



0.8519, 0.2722, 0.4998



# Inverse Universe

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



34.3524, 0.3267, 0.2929



57.6065, 0.3302, 0.2850



33.6575, 0.3460, 0.3184



9.1142, 0.3183, 0.3133



8.0952, 0.4164, 0.2068



0.2959, 0.3863, 0.1902



# Previews

## White Background



This preview shows how the Yxy color 43.8241, 0.3011, 0.3681 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

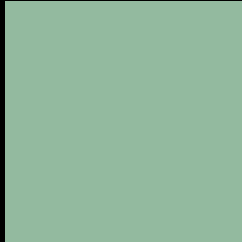
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.8241, 0.3011, 0.3681 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

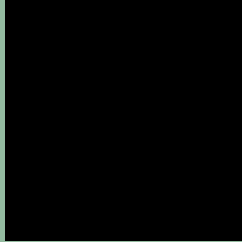
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.8241, 0.3011, 0.3681**

## Background



This preview shows how black text looks on a background with the Yxy color 43.8241, 0.3011, 0.3681.



This preview shows how white text looks on a background with the Yxy color 43.8241, 0.3011, 0.3681.

# 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

43.8241, 0.3011, 0.3681

### Protanopia

43.6980, 0.3394, 0.3585

### Deuteranopia

43.3639, 0.3458, 0.3394



## Tritanopia

43.8579, 0.2804, 0.3098

# Trichromacy



## Original Color

43.8241, 0.3011, 0.3681

## Protanomaly

43.7007, 0.3242, 0.3622

## Deuteranomaly

43.2076, 0.3279, 0.3494

## Tritanomaly

43.8237, 0.2875, 0.3303

# Monochromacy



## Original Color

43.8241, 0.3011, 0.3681

## Achromatopsia

40.7240, 0.3127, 0.3290

## Achromatomaly

41.5221, 0.3078, 0.3417

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.8241, 0.3011, 0.3681 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(147, 186, 159)` looks like.

```
.text, #text, p{  
    color:rgb(147, 186, 159)  
}
```

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(147, 186, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 186, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 43.8241, 0.3011, 0.3681 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(147, 186, 159) }
```

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

```
.border{ border-color:rgb(147, 186, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 186, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 186, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 186, 159);  
box-shadow:4px 4px 4px 4px rgb(147, 186,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.8241, 0.3011, 0.3681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 186, 159) }
```

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

```
.background{ background-color: rgb(147,  
186, 159) }
```

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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