

# Converting Colors

Yxy(41.5142, 0.2984, 0.3570)

Have a look what the booklet for  
Yxy(41.5142, 0.2984, 0.3570)  
contains.

<b>Yxy(41.3267, 0.2988, 0.3569)</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(41.3267, 0.2988, 0.3569)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92B4A1
RGB	146, 180, 161
RGB Percent	57%, 71%, 63%
CMY	0.4277, 0.2940, 0.3687
CMYK	0.19, 0.00, 0.11, 0.29
HSL	147°, 19%, 64%
HSV	147°, 19%, 71%
XYZ	34.5991, 41.3267, 39.8677
YIQ	167.6680, -14.1650, -13.1170

# Conversions

## Conversions Part 2

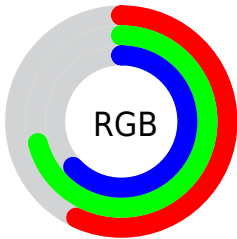
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 170, 180
Decimal	9614497
CIELab	70.40, -15.42, 5.89
CIELCh	70, 16.510, 159.095
Yxy	41.3267, 0.2988, 0.3569
Android (android.graphics.Color)	4287804577 (0xFF92B4A1)
YUV	167.6680, -3.2873, -19.0028
Hunter-Lab	64.2858, -16.4303, 8.2306

# Details

The Yxy color  $41.3267, 0.2988, 0.3569$  is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be  $32.9588, 0.3295, 0.3027$ , and the grayscale version is  $39.0033, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $77.2281, 0.3012, 0.3513$ , and  $18.7158, 0.2951, 0.3665$  is the 20% darker color. If you saturate the color by 10%, you get  $39.4670, 0.2919, 0.3740$ , and if you desaturate by 10%, it is  $43.4781, 0.3061, 0.3414$ .

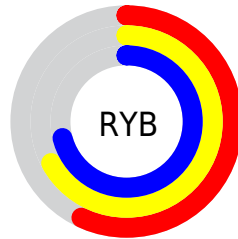
# Distribution



Red (57%)

Green (71%)

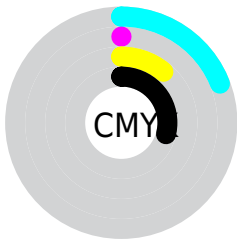
Blue (63%)



Red (57%)

Yellow (67%)

Blue (71%)

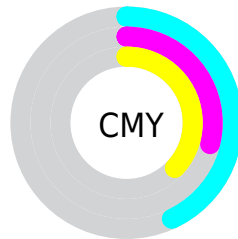


Cyan (19%)

Magenta (0%)

Yellow (11%)

Black (29%)



Cyan (43%)

Magenta (29%)


Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.3267, 0.2988, 0.3569 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 41.3267, 0.2988, 0.3569 by changing the saturation by 10% instead.





 41.3267, 0.2988,  
0.3569

 41.3267, 0.2988,  
0.3569


351.6842, 0.3060,  
0.3424

 28.5745, 0.2969,  
0.3607


 77.1796, 0.3015,  
0.3515

 18.7591, 0.2944,  
0.3657


 101.0490, 0.3025,  
0.3495

 11.4964, 0.2910,  
0.3726


129.3930, 0.3033,  
0.3478

 6.4017, 0.2860,  
0.3827

162.5958, 0.3040,  
0.3464

 3.0909, 0.2780,  
0.3989

201.0420, 0.3046,  
0.3452

 1.1794, 0.2621,  
0.4304

245.1158, 0.3052,

 0.0447, 0.0000,

0.3441

1.0000

295.2018, 0.3056,  
0.3432

0.0000, 0.0000,  
0.0000

41.3267, 0.2988,  
0.3569

41.3267, 0.2988,  
0.3569

39.4670, 0.2919,  
0.3740

43.4781, 0.3061,  
0.3414

37.8810, 0.2856,  
0.3928

45.9280, 0.3135,  
0.3276

36.5566, 0.2803,  
0.4129

48.6894, 0.3209,  
0.3154

35.4788, 0.2763,  
0.4340

51.7730, 0.3282,  
0.3046

34.6311, 0.2738,  
0.4557

55.1890, 0.3352,  
0.2951

■ 33.9947, 0.2732,  
0.4773

■ 58.9471, 0.3419,  
0.2869

■ 33.5476, 0.2745,  
0.4981

■ 59.6989, 0.3346,  
0.2773

■ 33.2509, 0.2773,  
0.5175

■ 60.2843, 0.3266,  
0.2678

■ 33.2226, 0.2776,  
0.5195

■ 60.9029, 0.3188,  
0.2587

# Harmonies

## Analogous

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



41.3267, 0.3228, 0.3698



41.3267, 0.2988, 0.3569



41.3267, 0.2791, 0.3358

# Triad

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



41.3267, 0.2988, 0.3569



41.3267, 0.2807, 0.2892



41.3267, 0.3593, 0.3415

# Complementary

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



41.3267, 0.2988, 0.3569



32.9588, 0.3295, 0.3027

# 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.



41.3267, 0.3472, 0.3212



41.3267, 0.2988, 0.3569



41.3267, 0.3013, 0.2918

# Square

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



41.3267, 0.2988, 0.3569



41.3267, 0.2689, 0.2968



41.3267, 0.3256, 0.3033



41.3267, 0.3583, 0.3596



# Rectangle

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



41.3267, 0.2988, 0.3569



41.3267, 0.2707, 0.3206



41.3267, 0.3256, 0.3033



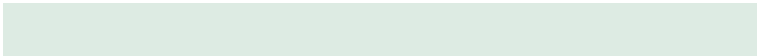
41.3267, 0.3566, 0.3347

# Sweetspot

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



41.3284, 0.2988, 0.3569



80.0172, 0.3082, 0.3373



42.7498, 0.3273, 0.3773



17.2353, 0.3077, 0.3383



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.



41.3284, 0.2988, 0.3569



73.3511, 0.2957, 0.3643



41.9597, 0.2864, 0.3322



9.5504, 0.3058, 0.3420



23.1949, 0.2770, 0.5172



0.7416, 0.2615, 0.4613



# Inverse Universe

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



32.9588, 0.3295, 0.3027



55.1877, 0.3344, 0.2962



32.3883, 0.3467, 0.3259



8.5820, 0.3203, 0.3164



7.4347, 0.4687, 0.2356

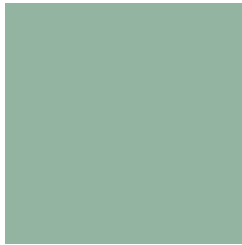


0.2454, 0.4171, 0.2071



# Previews

## White Background



This preview shows how the Yxy color 41.3267, 0.2988, 0.3569 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 41.3267, 0.2988, 0.3569 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

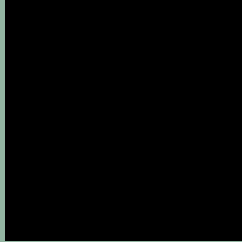
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.3267, 0.2988, 0.3569**

## Background



This preview shows how black text looks on a background with the Yxy color 41.3267, 0.2988, 0.3569.



This preview shows how white text looks on a background with the Yxy color 41.3267, 0.2988, 0.3569.

# 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

41.3267, 0.2988, 0.3569

### Protanopia

40.9911, 0.3320, 0.3497

### Deuteranopia

41.0291, 0.3381, 0.3317



## Tritanopia

41.3477, 0.2812, 0.3094

# Trichromacy



## Original Color

41.3267, 0.2988, 0.3569

## Protanomaly

40.8477, 0.3188, 0.3516

## Deuteranomaly

40.8841, 0.3232, 0.3400

## Tritanomaly

41.0885, 0.2877, 0.3261

# Monochromacy



## Original Color

41.3267, 0.2988, 0.3569

## Achromatopsia

39.1572, 0.3127, 0.3290

## Achromatomaly

39.6952, 0.3078, 0.3390

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.3267, 0.2988, 0.3569 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(146, 180, 161)` looks like.

```
.text, #text, p{  
    color:rgb(146, 180, 161)  
}
```

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(146, 180, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 180, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 41.3267, 0.2988, 0.3569 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(146, 180, 161) }
```

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

```
.border{ border-color:rgb(146, 180, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 180, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 180, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 180, 161);  
box-shadow:4px 4px 4px 4px rgb(146, 180,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.3267, 0.2988, 0.3569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 180, 161) }
```

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

```
.background{ background-color: rgb(146,  
180, 161) }
```

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