

# Converting Colors

$Yxy(41.4886, 0.2998, 0.3603)$

Have a look what the booklet for  
Yxy(41.4886, 0.2998, 0.3603)  
contains.

<b>Yxy(41.6619, 0.3004, 0.3613)</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(41.6619, 0.3004, 0.3613)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92B59F
RGB	146, 181, 159
RGB Percent	57%, 71%, 62%
CMY	0.4273, 0.2902, 0.3765
CMYK	0.19, 0.00, 0.12, 0.29
HSL	142°, 19%, 64%
HSV	142°, 19%, 71%
XYZ	34.6395, 41.6619, 39.0097
YIQ	168.0270, -13.7980, -14.2620

# Conversions

## Conversions Part 2

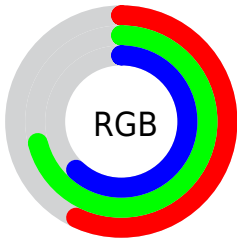
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 172, 181
Decimal	9614751
CIELab	70.64, -16.29, 7.33
CIELCh	71, 17.861, 155.782
Yxy	41.6619, 0.3004, 0.3613
Android (android.graphics.Color)	4287804831 (0xFF92B59F)
YUV	168.0270, -4.4503, -19.3177
Hunter-Lab	64.5460, -17.1612, 9.3491

# Details

The Yxy color **41.6619, 0.3004, 0.3613** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.2213, 0.3275, 0.2988**, and the grayscale version is **39.2025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7028, 0.3024, 0.3547**, and **18.9539, 0.2961, 0.3706** is the 20% darker color. If you saturate the color by 10%, you get **39.7561, 0.2944, 0.3809**, and if you desaturate by 10%, it is **43.8703, 0.3067, 0.3437**.

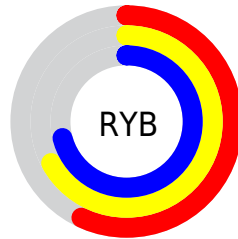
# Distribution



Red (57%)

Green (71%)

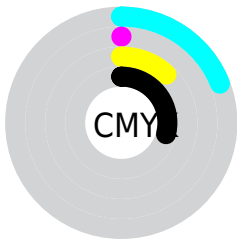
Blue (62%)



Red (57%)

Yellow (67%)

Blue (71%)

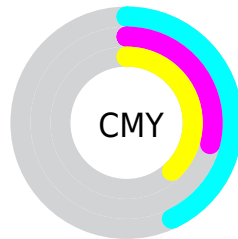


Cyan (19%)

Magenta (0%)

Yellow (12%)

Black (29%)



Cyan (43%)

Magenta (29%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6619, 0.3004, 0.3613 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 41.6619, 0.3004, 0.3613 by changing the saturation by 10% instead.




 41.6619, 0.3004,  
0.3613

 41.6619, 0.3004,  
0.3613


353.0795, 0.3069,  
0.3445

 28.8366, 0.2987,  
0.3657


 77.6877, 0.3028,  
0.3550

 18.9573, 0.2964,  
0.3716


 101.6570, 0.3037,  
0.3527

 11.6394, 0.2933,  
0.3796


130.1097, 0.3044,  
0.3508

 6.4986, 0.2887,  
0.3914

163.4304, 0.3051,  
0.3491

 3.1506, 0.2813,  
0.4102

202.0033, 0.3056,  
0.3477

 1.2109, 0.2670,  
0.4481

246.2128, 0.3061,


 0.0705, 0.0000,


0.3465


1.0000

296.4434, 0.3065,  
0.3454


 0.0000, 0.0000,  
0.0000

 41.6619, 0.3004,  
0.3613


 41.6619, 0.3004,  
0.3613


 39.7561, 0.2944,  
0.3809


 43.8703, 0.3067,  
0.3437


 38.1343, 0.2889,  
0.4022


 46.3886, 0.3132,  
0.3280


 36.7840, 0.2843,  
0.4251

 49.2302, 0.3195,  
0.3141

 35.6895, 0.2809,  
0.4491

 52.4061, 0.3257,  
0.3019

 34.8336, 0.2790,  
0.4734

 55.9271, 0.3317,  
0.2913

■ 34.1968, 0.2788,  
0.4973

■ 59.8033, 0.3374,  
0.2820

■ 33.7562, 0.2804,  
0.5196

■ 60.5241, 0.3286,  
0.2713

■ 33.4698, 0.2834,  
0.5397

■ 61.2181, 0.3198,  
0.2609

■ 33.4524, 0.2836,  
0.5410

■ 61.5266, 0.3161,  
0.2565

# Harmonies

## Analogous

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



41.6619, 0.3264, 0.3739



41.6619, 0.3004, 0.3613



41.6619, 0.2784, 0.3390

# Triad

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



41.6619, 0.3004, 0.3613



41.6619, 0.2763, 0.2866



41.6619, 0.3622, 0.3400

# Complementary

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



41.6619, 0.3004, 0.3613



33.2213, 0.3275, 0.2988

# 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.



41.6619, 0.3477, 0.3182



41.6619, 0.3004, 0.3613



41.6619, 0.2975, 0.2882

# Square

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



41.6619, 0.3004, 0.3613



41.6619, 0.2649, 0.2958



41.6619, 0.3237, 0.2996



41.6619, 0.3627, 0.3600



# Rectangle

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



41.6619, 0.3004, 0.3613



41.6619, 0.2686, 0.3225



41.6619, 0.3237, 0.2996



41.6619, 0.3588, 0.3326

# Sweetspot

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



41.6637, 0.3004, 0.3613



79.9620, 0.3088, 0.3384



43.4675, 0.3297, 0.3781



17.2222, 0.3084, 0.3395



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.



41.6637, 0.3004, 0.3613



73.1680, 0.2979, 0.3690



42.3088, 0.2876, 0.3356



9.5404, 0.3067, 0.3437



23.0746, 0.2830, 0.5386



0.7375, 0.2664, 0.4790



# Inverse Universe

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



33.2213, 0.3275, 0.2988



55.3829, 0.3312, 0.2921



32.6169, 0.3451, 0.3225



8.5923, 0.3192, 0.3148



7.6229, 0.4399, 0.2197

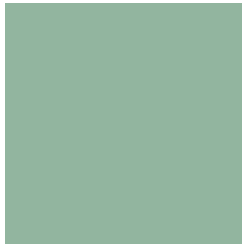


0.2507, 0.3988, 0.1971



# Previews

## White Background



This preview shows how the Yxy color 41.6619, 0.3004, 0.3613 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

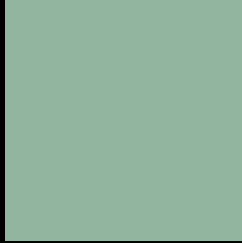
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.6619, 0.3004, 0.3613 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

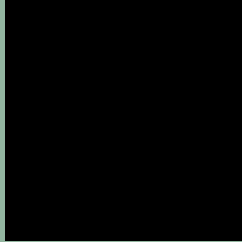
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.6619, 0.3004, 0.3613**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.6619, 0.3004, 0.3613.



This preview shows how white text looks on a background with the Yxy color 41.6619, 0.3004, 0.3613.

# 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

41.6619, 0.3004, 0.3613

### Protanopia

41.5414, 0.3355, 0.3537

### Deuteranopia

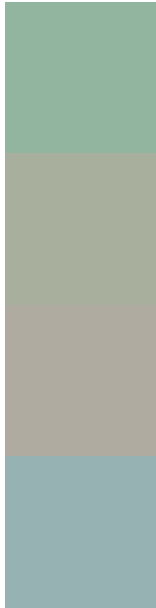
41.2185, 0.3419, 0.3343



## Tritanopia

41.4877, 0.2813, 0.3081

# Trichromacy



## Original Color

41.6619, 0.3004, 0.3613

## Protanomaly

41.3851, 0.3222, 0.3558

## Deuteranomaly

40.9291, 0.3258, 0.3428

## Tritanomaly

41.5795, 0.2886, 0.3275

# Monochromacy



## Original Color

41.6619, 0.3004, 0.3613

## Achromatopsia

39.1572, 0.3127, 0.3290

## Achromatomaly

40.0773, 0.3077, 0.3404

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.6619, 0.3004, 0.3613 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, 181, 159)` looks like.

```
.text, #text, p{  
    color:rgb(146, 181, 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(146, 181, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 181, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 41.6619, 0.3004, 0.3613 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, 181, 159) }
```

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

```
.border{ border-color:rgb(146, 181, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 181, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 181, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 181, 159); box-shadow:4px 4px 4px 4px rgb(146, 181, 159) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.6619, 0.3004, 0.3613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 181, 159) }
```

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

```
.background{ background-color: rgb(146,  
181, 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](#).

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