

# Converting Colors

$Y_{xy}(39.5133, 0.2818, 0.3644)$

Have a look what the booklet for  
Yxy(39.5133, 0.2818, 0.3644)  
contains.

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# Color

**Yxy(39.5813, 0.2818, 0.3647)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79B59E
RGB	121, 181, 158
RGB Percent	47%, 71%, 62%
CMY	0.5253, 0.2902, 0.3805
CMYK	0.33, 0.00, 0.13, 0.29
HSL	157°, 29%, 59%
HSV	157°, 33%, 71%
XYZ	30.5841, 39.5813, 38.3658
YIQ	160.4380, -28.3770, -19.8730

# Conversions

## Conversions Part 2

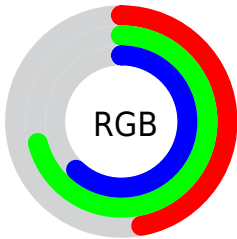
<b>Format</b>	<b>Color</b>
<b>RYB</b>	121, 158, 181
Decimal	7976350
CIELab	69.17, -24.49, 5.58
CIElCh	69, 25.114, 167.154
Yxy	39.5813, 0.2818, 0.3647
Android (android.graphics.Color)	4286166430 (0xFF79B59E)
YUV	160.4380, -1.2019, -34.5871
Hunter-Lab	62.9137, -23.3252, 7.8836

# Details

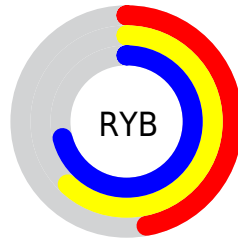
The Yxy color **39.5813, 0.2818, 0.3647** is a light color, and the websafe version is hex **669999**. A complement of this color would be **25.5260, 0.3590, 0.2962**, and the grayscale version is **35.3868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4864, 0.2875, 0.3570**, and **17.7651, 0.2714, 0.3759** is the 20% darker color. If you saturate the color by 10%, you get **38.1624, 0.2741, 0.3776**, and if you desaturate by 10%, it is **41.2623, 0.2905, 0.3527**.

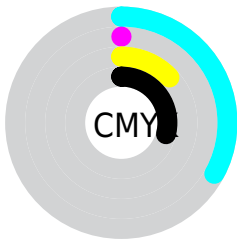
# Distribution



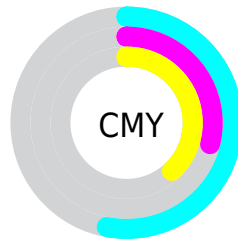
- Red (47%)
- Green (71%)
- Blue (62%)



- Red (47%)
- Yellow (62%)
- Blue (71%)



- Cyan (33%)
- Magenta (0%)
- Yellow (13%)
- Black (29%)




- Cyan (53%)
- Magenta (29%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.5813, 0.2818, 0.3647 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 39.5813, 0.2818, 0.3647 by changing the saturation by 10% instead.





 39.5813, 0.2818,  
0.3647


 39.5813, 0.2818,  
0.3647


344.3556, 0.2979,  
0.3460

 27.2122, 0.2776,  
0.3697


 74.5255, 0.2878,  
0.3577

 17.7327, 0.2721,  
0.3763


 97.8695, 0.2900,  
0.3551

 10.7582, 0.2645,  
0.3855


 125.6405, 0.2918,  
0.3529

 5.9045, 0.2534,  
0.3990

158.2230, 0.2934,  
0.3511

 2.7871, 0.2359,  
0.4210

196.0013, 0.2947,  
0.3496

 1.0216, 0.1745,  
0.4856

239.3600, 0.2959,

 0.0000, 0.0000,

0.3482

0.0000

288.6833, 0.2969,  
0.3470

■ 39.5813, 0.2818,  
0.3647

■ 39.5813, 0.2818,  
0.3647

■ 38.1624, 0.2741,  
0.3776

■ 41.2623, 0.2905,  
0.3527

■ 36.9868, 0.2677,  
0.3914

■ 43.2136, 0.2998,  
0.3418

■ 36.0408, 0.2628,  
0.4057


■ 45.4486, 0.3096,  
0.3319

■ 35.3073, 0.2598,  
0.4205


■ 47.9787, 0.3196,  
0.3230


■ 34.7667, 0.2587,  
0.4353


■ 50.8146, 0.3295,  
0.3151

 34.3954, 0.2597,  
0.4499

 53.9663, 0.3394,  
0.3082

 34.2052, 0.2611,  
0.4598

 57.4436, 0.3489,  
0.3020

 59.1399, 0.3491,  
0.2956

 59.5017, 0.3433,  
0.2887

# Harmonies

## Analogous

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



39.5813, 0.3174, 0.3897



39.5813, 0.2818, 0.3647



39.5813, 0.2554, 0.3292

# Triad

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



39.5813, 0.2818, 0.3647



39.5813, 0.2710, 0.2685



39.5813, 0.3866, 0.3549

# Complementary

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



39.5813, 0.2818, 0.3647



25.5260, 0.3590, 0.2962

# 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.



39.5813, 0.3730, 0.3245



39.5813, 0.2818, 0.3647



39.5813, 0.3045, 0.2766

# Square

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



39.5813, 0.2818, 0.3647



39.5813, 0.2496, 0.2749



39.5813, 0.3422, 0.2966



39.5813, 0.3789, 0.3810



# Rectangle

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



39.5813, 0.2818, 0.3647



39.5813, 0.2460, 0.3062



39.5813, 0.3422, 0.2966



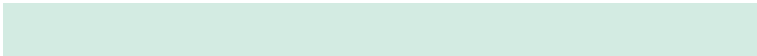
39.5813, 0.3844, 0.3449

# Sweetspot

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



39.5829, 0.2818, 0.3647



78.5261, 0.3027, 0.3387



40.4505, 0.3286, 0.4198



16.8570, 0.3014, 0.3402



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.



39.5829, 0.2818, 0.3647



68.9331, 0.2759, 0.3744



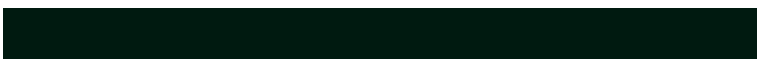
38.0654, 0.2652, 0.3198



9.5751, 0.3035, 0.3379



23.5952, 0.2606, 0.4580



0.7534, 0.2494, 0.4177



# Inverse Universe

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



25.5260, 0.3590, 0.2962



39.7392, 0.3742, 0.2886



26.3954, 0.3854, 0.3379



8.5575, 0.3229, 0.3203



7.0855, 0.5407, 0.2752



0.2345, 0.4654, 0.2338



# Previews

## White Background



This preview shows how the Yxy color 39.5813, 0.2818, 0.3647 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 39.5813, 0.2818, 0.3647 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

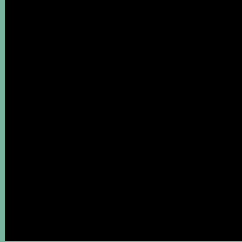
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.5813, 0.2818, 0.3647**

## Background



This preview shows how black text looks on a background with the Yxy color 39.5813, 0.2818, 0.3647.



This preview shows how white text looks on a background with the Yxy color 39.5813, 0.2818, 0.3647.

# 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

39.5813, 0.2818, 0.3647

### Protanopia

39.3536, 0.3341, 0.3528

### Deuteranopia

39.3678, 0.3367, 0.3304



## Tritanopia

39.3576, 0.2642, 0.3084

# Trichromacy



## Original Color

39.5813, 0.2818, 0.3647

## Protanomaly

39.1888, 0.3123, 0.3569

## Deuteranomaly

39.1092, 0.3139, 0.3419

## Tritanomaly

39.4151, 0.2705, 0.3289

# Monochromacy



## Original Color

39.5813, 0.2818, 0.3647

## Achromatopsia

35.1533, 0.3127, 0.3290

## Achromatomaly

36.6195, 0.3004, 0.3425

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.5813, 0.2818, 0.3647 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(121, 181, 158)` looks like.

```
.text, #text, p{  
    color:rgb(121, 181, 158)  
}
```

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(121, 181, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 181, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 39.5813, 0.2818, 0.3647 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(121, 181, 158) }
```

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

```
.border{ border-color:rgb(121, 181, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 181, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 181, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 181, 158);  
box-shadow:4px 4px 4px 4px rgb(121, 181,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.5813, 0.2818, 0.3647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 181, 158) }
```

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

```
.background{ background-color: rgb(121,  
181, 158) }
```

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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