

# Converting Colors

$Yxy(40.5600, 0.2877, 0.3737)$

Have a look what the booklet for  
Yxy(40.5600, 0.2877, 0.3737)  
contains.

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# Color

**Yxy(40.5600, 0.2877, 0.3737)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DB79A
RGB	125, 183, 154
RGB Percent	49%, 72%, 60%
CMY	0.5097, 0.2824, 0.3961
CMYK	0.32, 0.00, 0.16, 0.28
HSL	150°, 29%, 60%
HSV	150°, 32%, 72%
XYZ	31.2259, 40.5600, 36.7504
YIQ	162.3520, -25.2590, -21.3150

# Conversions

## Conversions Part 2

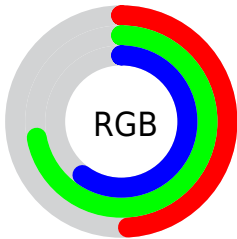
Format	Color
<a href="#">RYB</a>	<a href="#">125, 164, 183</a>
Decimal	<a href="#">8239002</a>
CIELab	<a href="#">69.87, -25.11, 8.80</a>
CIELCh	<a href="#">70, 26.603, 160.694</a>
Yxy	<a href="#">40.5600, 0.2877, 0.3737</a>
Android (android.graphics.Color)	<a href="#">4286429082 (0xFF7DB79A)</a>
YUV	<a href="#">162.3520, -4.1175, -32.7577</a>
Hunter-Lab	<a href="#">63.6867, -23.9325, 10.3675</a>

# Details

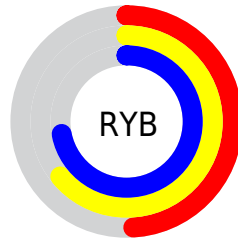
The Yxy color **40.5600, 0.2877, 0.3737** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.0760, 0.3484, 0.2884**, and the grayscale version is **36.3366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8708, 0.2928, 0.3651**, and **18.4004, 0.2800, 0.3887** is the 20% darker color. If you saturate the color by 10%, you get **39.0150, 0.2810, 0.3907**, and if you desaturate by 10%, it is **42.3854, 0.2952, 0.3580**.

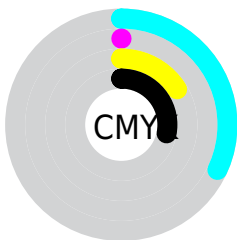
# Distribution



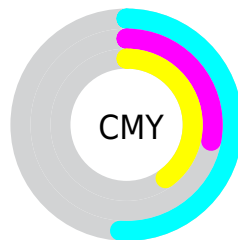
- Red (49%)
- Green (72%)
- Blue (60%)



- Red (49%)
- Yellow (64%)
- Blue (72%)



- Cyan (32%)
- Magenta (0%)
- Yellow (16%)
- Black (28%)




- Cyan (51%)
- Magenta (28%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.5600, 0.2877, 0.3737 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 40.5600, 0.2877, 0.3737 by changing the saturation by 10% instead.





 40.5600, 0.2877,  
0.3737


 40.5600, 0.2877,  
0.3737


348.4783, 0.3008,  
0.3501


 27.9754, 0.2842,  
0.3800


 76.0155, 0.2926,  
0.3648

 18.3071, 0.2796,  
0.3884


 99.6552, 0.2944,  
0.3616

 11.1707, 0.2732,  
0.4000


 127.7488, 0.2959,  
0.3589

 6.1818, 0.2638,  
0.4172

160.6807, 0.2972,  
0.3566

 2.9559, 0.2487,  
0.4453

198.8351, 0.2983,  
0.3547

 1.1088, 0.2017,  
0.5259

242.5966, 0.2993,

 0.0000, 0.0000,

0.3530

0.0000

292.3495, 0.3001,  
0.3515

■ 40.5600, 0.2877,  
0.3737

■ 40.5600, 0.2877,  
0.3737

■ 39.0150, 0.2810,  
0.3907

■ 42.3854, 0.2952,  
0.3580

■ 37.7308, 0.2755,  
0.4089

■ 44.4996, 0.3031,  
0.3438

■ 36.6934, 0.2714,  
0.4280


■ 46.9167, 0.3113,  
0.3310


■ 35.8852, 0.2690,  
0.4475

■ 49.6485, 0.3196,  
0.3196

■ 35.2860, 0.2686,  
0.4669


■ 52.7060, 0.3278,  
0.3096


 34.8720, 0.2701,  
0.4858

 56.0999, 0.3358,  
0.3007

 34.6295, 0.2724,  
0.5007

 59.8402, 0.3435,  
0.2930

 60.6866, 0.3375,  
0.2842

 61.2065, 0.3302,  
0.2755

# Harmonies

## Analogous

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



40.5600, 0.3260, 0.3961



40.5600, 0.2877, 0.3737



40.5600, 0.2574, 0.3373

# Triad

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



40.5600, 0.2877, 0.3737



40.5600, 0.2629, 0.2658



40.5600, 0.3892, 0.3492

# Complementary

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



40.5600, 0.2877, 0.3737



27.0760, 0.3484, 0.2884

# 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.



40.5600, 0.3703, 0.3175



40.5600, 0.2877, 0.3737



40.5600, 0.2957, 0.2712

# Square

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



40.5600, 0.2877, 0.3737



40.5600, 0.2439, 0.2758



40.5600, 0.3353, 0.2897



40.5600, 0.3858, 0.3783



# Rectangle

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



40.5600, 0.2877, 0.3737



40.5600, 0.2452, 0.3123



40.5600, 0.3353, 0.2897



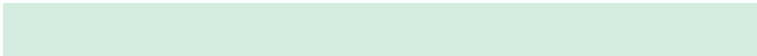
40.5600, 0.3852, 0.3386

# Sweetspot

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



40.5617, 0.2877, 0.3737



80.3183, 0.3043, 0.3418



42.3148, 0.3340, 0.4139



17.6130, 0.3032, 0.3436



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.



40.5617, 0.2877, 0.3737



70.6696, 0.2830, 0.3854



41.6077, 0.2686, 0.3303



10.1329, 0.3050, 0.3407



24.1721, 0.2718, 0.4986



0.8646, 0.2586, 0.4510



# Inverse Universe

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



27.0760, 0.3484, 0.2884



42.7195, 0.3592, 0.2793



26.2479, 0.3826, 0.3278



9.0852, 0.3212, 0.3176



7.5708, 0.4930, 0.2489



0.2794, 0.4372, 0.2182



# Previews

## White Background



This preview shows how the Yxy color 40.5600, 0.2877, 0.3737 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 40.5600, 0.2877, 0.3737 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

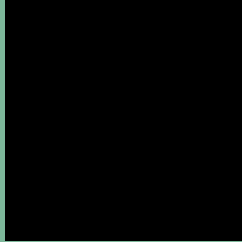
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 40.5600, 0.2877, 0.3737**

## Background



This preview shows how black text looks on a background with the Yxy color 40.5600, 0.2877, 0.3737.

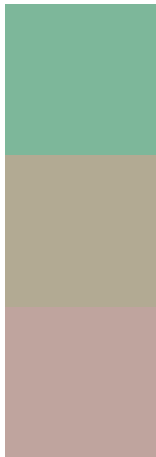


This preview shows how white text looks on a background with the Yxy color 40.5600, 0.2877, 0.3737.

# 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

40.5600, 0.2877, 0.3737

### Protanopia

40.3210, 0.3402, 0.3610

### Deuteranopia

40.0959, 0.3441, 0.3371



## Tritanopia

40.6331, 0.2668, 0.3088

# Trichromacy



## Original Color

40.5600, 0.2877, 0.3737

## Protanomaly

40.2329, 0.3190, 0.3653

## Deuteranomaly

39.7756, 0.3209, 0.3489

## Tritanomaly

40.6027, 0.2743, 0.3318

# Monochromacy



## Original Color

40.5600, 0.2877, 0.3737

## Achromatopsia

36.1307, 0.3127, 0.3290

## Achromatomaly

37.6422, 0.3030, 0.3454

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.5600, 0.2877, 0.3737 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(125, 183, 154)` looks like.

```
.text, #text, p{  
    color:rgb(125, 183, 154)  
}
```

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(125, 183, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 183, 154) }
```

## Border

The CSS property to change the border of an element to Yxy 40.5600, 0.2877, 0.3737 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(125, 183, 154) }
```

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

```
.border{ border-color:rgb(125, 183, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 183, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 183, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 183, 154);  
box-shadow:4px 4px 4px 4px rgb(125, 183,  
154) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.5600, 0.2877, 0.3737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 183, 154) }
```

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

```
.background{ background-color: rgb(125,  
183, 154) }
```

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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