

# Converting Colors

$Yxy(40.5961, 0.2989, 0.3953)$

Have a look what the booklet for  
Yxy(40.5961, 0.2989, 0.3953)  
contains.

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# Color

**Yxy(40.7933, 0.2993, 0.3957)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80B88D
RGB	128, 184, 141
RGB Percent	50%, 72%, 55%
CMY	0.4978, 0.2784, 0.4471
CMYK	0.30, 0.00, 0.23, 0.28
HSL	134°, 28%, 61%
HSV	134°, 30%, 72%
XYZ	30.8553, 40.7933, 31.4429
YIQ	162.3540, -19.5730, -25.2450

# Conversions

## Conversions Part 2

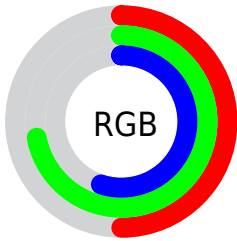
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 173, 184
Decimal	8435853
CIELab	70.03, -27.19, 16.13
CIELCh	70, 31.612, 149.313
Yxy	40.7933, 0.2993, 0.3957
Android (android.graphics.Color)	4286625933 (0xFF80B88D)
YUV	162.3540, -10.5275, -30.1285
Hunter-Lab	63.8696, -25.5389, 15.5204

# Details

The Yxy color **40.7933, 0.2993, 0.3957** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.5838, 0.3298, 0.2705**, and the grayscale version is **36.3684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2054, 0.3020, 0.3817**, and **18.5657, 0.2941, 0.4179** is the 20% darker color. If you saturate the color by 10%, you get **39.1000, 0.2954, 0.4223**, and if you desaturate by 10%, it is **42.8025, 0.3036, 0.3713**.

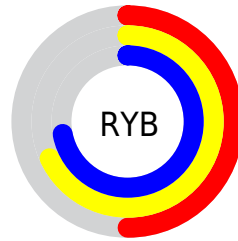
# Distribution



Red (50%)

Green (72%)

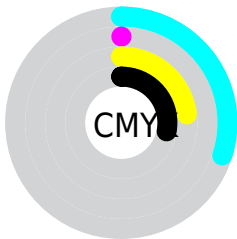
Blue (55%)



Red (50%)

Yellow (68%)

Blue (72%)

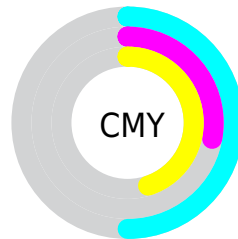


Cyan (30%)

Magenta (0%)

Yellow (23%)

Black (28%)



Cyan (50%)

Magenta (28%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7933, 0.2993, 0.3957 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 40.7933, 0.2993, 0.3957 by changing the saturation by 10% instead.




 40.7933, 0.2993,  
0.3957

 40.7933, 0.2993,  
0.3957


349.4560, 0.3069,  
0.3602


 28.1576, 0.2971,  
0.4053


 76.3700, 0.3023,  
0.3823

 18.4445, 0.2941,  
0.4181


 100.0798, 0.3033,  
0.3774

 11.2696, 0.2896,  
0.4360


 128.2498, 0.3042,  
0.3733

 6.2485, 0.2826,  
0.4626

161.2644, 0.3049,  
0.3699

 2.9967, 0.2701,  
0.5062

199.5078, 0.3055,  
0.3669

 1.1300, 0.2444,  
0.7049

243.3647, 0.3060,

 0.0034, 0.0000,

0.3644

1.0000

293.2193, 0.3065,  
0.3622

0.0000, 0.0000,  
0.0000

40.7933, 0.2993,  
0.3957

40.7933, 0.2993,  
0.3957

39.1000, 0.2954,  
0.4223

42.8025, 0.3036,  
0.3713

37.7016, 0.2921,  
0.4506

45.1373, 0.3081,  
0.3493

36.5822, 0.2898,  
0.4796


47.8135, 0.3125,  
0.3297

35.7225, 0.2887,  
0.5080


50.8439, 0.3169,  
0.3126

35.1007, 0.2889,  
0.5343

54.2411, 0.3211,  
0.2976


 34.6911, 0.2906,  
0.5569

 58.0168, 0.3251,  
0.2846

 34.4502, 0.2929,  
0.5743

 61.8301, 0.3273,  
0.2731

 62.7038, 0.3166,  
0.2602

 62.7590, 0.3160,  
0.2595

# Harmonies

## Analogous

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



40.7933, 0.3450, 0.4125



40.7933, 0.2993, 0.3957



40.7933, 0.2591, 0.3561

# Triad

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



40.7933, 0.2993, 0.3957



40.7933, 0.2435, 0.2570



40.7933, 0.3980, 0.3377

# Complementary

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



40.7933, 0.2993, 0.3957



28.5838, 0.3298, 0.2705

# 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.



40.7933, 0.3668, 0.3019



40.7933, 0.2993, 0.3957



40.7933, 0.2762, 0.2571

# Square

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



40.7933, 0.2993, 0.3957



40.7933, 0.2288, 0.2751



40.7933, 0.3212, 0.2733



40.7933, 0.4040, 0.3741



# Rectangle

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



40.7933, 0.2993, 0.3957



40.7933, 0.2404, 0.3252



40.7933, 0.3212, 0.2733



40.7933, 0.3901, 0.3254

# Sweetspot

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



40.7950, 0.2993, 0.3957



82.4027, 0.3086, 0.3467



44.5953, 0.3467, 0.4067



17.6217, 0.3080, 0.3497



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.



40.7950, 0.2993, 0.3957



71.9871, 0.2968, 0.4120



41.7047, 0.2802, 0.3527



10.0933, 0.3085, 0.3471



23.7534, 0.2923, 0.5724



0.8471, 0.2781, 0.5213



# Inverse Universe

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



28.5838, 0.3298, 0.2705



46.5426, 0.3342, 0.2585



27.6521, 0.3608, 0.3068



9.1262, 0.3172, 0.3116



8.3688, 0.3886, 0.1915



0.3038, 0.3679, 0.1800



# Previews

## White Background



This preview shows how the Yxy color 40.7933, 0.2993, 0.3957 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 40.7933, 0.2993, 0.3957 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 40.7933, 0.2993, 0.3957**

## Background



This preview shows how black text looks on a background with the Yxy color 40.7933, 0.2993, 0.3957.



This preview shows how white text looks on a background with the Yxy color 40.7933, 0.2993, 0.3957.

# 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

40.7933, 0.2993, 0.3957

### Protanopia

40.2944, 0.3547, 0.3788

### Deuteranopia

40.3310, 0.3613, 0.3541



## Tritanopia

40.6091, 0.2708, 0.3089

# Trichromacy



**Original Color**

40.7933, 0.2993, 0.3957

**Protanomaly**

40.1475, 0.3326, 0.3843

**Deuteranomaly**

39.7974, 0.3359, 0.3673

**Tritanomaly**

40.7280, 0.2807, 0.3393

# Monochromacy



**Original Color**

40.7933, 0.2993, 0.3957

**Achromatopsia**

36.1307, 0.3127, 0.3290

**Achromatomaly**

37.5666, 0.3080, 0.3529

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.7933, 0.2993, 0.3957 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(128, 184, 141)` looks like.

```
.text, #text, p{  
    color:rgb(128, 184, 141)  
}
```

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(128, 184, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 184, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 40.7933, 0.2993, 0.3957 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(128, 184, 141) }
```

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

```
.border{ border-color:rgb(128, 184, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 184, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 184, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 184, 141);  
box-shadow:4px 4px 4px 4px rgb(128, 184,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.7933, 0.2993, 0.3957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 184, 141) }
```

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

```
.background{ background-color: rgb(128,  
184, 141) }
```

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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