

# Converting Colors

$Yxy(43.9787, 0.3287, 0.4292)$

Have a look what the booklet for  
Yxy(43.9787, 0.3287, 0.4292)  
contains.

<b>Yxy(43.9787, 0.3287, 0.4292)</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(43.9787, 0.3287, 0.4292)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93BD79
RGB	147, 189, 121
RGB Percent	58%, 74%, 47%
CMY	0.4236, 0.2588, 0.5254
CMYK	0.22, 0.00, 0.36, 0.26
HSL	97°, 34%, 61%
HSV	97°, 36%, 74%
XYZ	33.6808, 43.9787, 24.8072
YIQ	168.6900, -3.2040, -30.0520

# Conversions

## Conversions Part 2

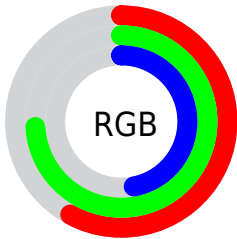
<b>Format</b>	<b>Color</b>
<b>RYB</b>	121, 189, 163
Decimal	9682297
CIELab	72.21, -26.41, 29.94
CIELCh	72, 39.926, 131.417
Yxy	43.9787, 0.3287, 0.4292
Android (android.graphics.Color)	4287872377 (0xFF93BD79)
YUV	168.6900, -23.5112, -19.0221
Hunter-Lab	66.3164, -25.3972, 24.2427

# Details

The Yxy color **43.9787, 0.3287, 0.4292** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **25.1427, 0.2893, 0.2336**, and the grayscale version is **39.6351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9174, 0.3268, 0.4090**, and **20.2158, 0.3313, 0.4612** is the 20% darker color. If you saturate the color by 10%, you get **42.5359, 0.3317, 0.4605**, and if you desaturate by 10%, it is **45.6258, 0.3248, 0.3988**.

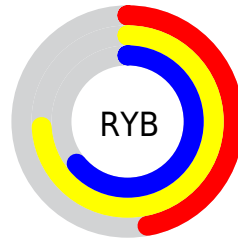
# Distribution



Red (58%)

Green (74%)

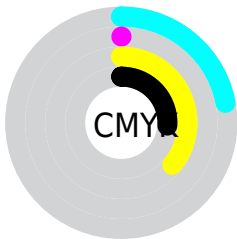
Blue (47%)



Red (47%)

Yellow (74%)

Blue (64%)

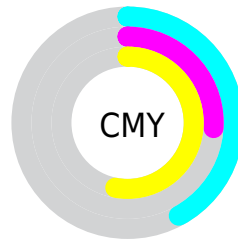


Cyan (22%)

Magenta (0%)

Yellow (36%)

Black (26%)



Cyan (42%)

Magenta (26%)


Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.9787, 0.3287, 0.4292 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 43.9787, 0.3287, 0.4292 by changing the saturation by 10% instead.





 43.9787, 0.3287,  
0.4292


 43.9787, 0.3287,  
0.4292


362.6214, 0.3222,  
0.3765


 30.6538, 0.3297,  
0.4431


 81.1857, 0.3267,  
0.4095

 20.3353, 0.3306,  
0.4613

 105.8365, 0.3259,  
0.4022

 12.6390, 0.3310,  
0.4861


 135.0315, 0.3251,  
0.3962

 7.1805, 0.3297,  
0.5215

169.1549, 0.3244,  
0.3910

 3.5752, 0.3260,  
0.5793

208.5912, 0.3237,  
0.3866

 1.4389, 0.3080,  
0.6920

253.7248, 0.3232,

 0.2451, 0.0000,

0.3828

1.0000

304.9400, 0.3226,  
0.3794

0.0000, 0.0000,  
0.0000

43.9787, 0.3287,  
0.4292

43.9787, 0.3287,  
0.4292

42.5359, 0.3317,  
0.4605

45.6258, 0.3248,  
0.3988

41.2831, 0.3335,  
0.4913

47.4795, 0.3203,  
0.3701

40.2129, 0.3338,  
0.5201

49.5493, 0.3156,  
0.3436


39.3151, 0.3323,  
0.5450

51.8422, 0.3108,  
0.3196


38.5782, 0.3289,  
0.5647


54.3651, 0.3061,  
0.2981


 37.9884, 0.3241,  
0.5781

 57.1245, 0.3015,  
0.2789

 37.7833, 0.3220,  
0.5825

 60.1265, 0.2972,  
0.2619

 62.2179, 0.3047,  
0.2621

 64.3332, 0.3136,  
0.2639

# Harmonies

## Analogous

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



43.9787, 0.3816, 0.4276



43.9787, 0.3287, 0.4292



43.9787, 0.2741, 0.3950

# Triad

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



43.9787, 0.3287, 0.4292



43.9787, 0.2157, 0.2513



43.9787, 0.3981, 0.3122

# Complementary

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



43.9787, 0.3287, 0.4292



25.1427, 0.2893, 0.2336

# 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.



43.9787, 0.3462, 0.2740



43.9787, 0.3287, 0.4292



43.9787, 0.2421, 0.2395

# Square

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



43.9787, 0.3287, 0.4292



43.9787, 0.2121, 0.2854



43.9787, 0.2885, 0.2482



43.9787, 0.4250, 0.3562



# Rectangle

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



43.9787, 0.3287, 0.4292



43.9787, 0.2441, 0.3582



43.9787, 0.2885, 0.2482



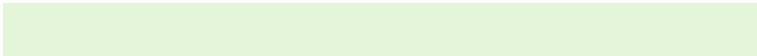
43.9787, 0.3828, 0.2985

# Sweetspot

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



43.9806, 0.3287, 0.4292



86.7592, 0.3181, 0.3571



38.3745, 0.3774, 0.3860



18.5504, 0.3187, 0.3607



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



43.9806, 0.3287, 0.4292



76.7371, 0.3311, 0.4533



42.0472, 0.3023, 0.4231



10.8225, 0.3172, 0.3523



25.4610, 0.3229, 0.5818



1.0352, 0.3428, 0.5660



# Inverse Universe

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



25.1427, 0.2893, 0.2336



38.1213, 0.2826, 0.2120



27.8373, 0.3252, 0.2503



9.5093, 0.3078, 0.3060



5.0520, 0.2282, 0.1031



0.2344, 0.2506, 0.1154



# Previews

## White Background



This preview shows how the Yxy color 43.9787, 0.3287, 0.4292 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 43.9787, 0.3287, 0.4292 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

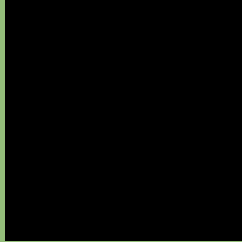
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.9787, 0.3287, 0.4292**

## Background



This preview shows how black text looks on a background with the Yxy color 43.9787, 0.3287, 0.4292.



This preview shows how white text looks on a background with the Yxy color 43.9787, 0.3287, 0.4292.

# 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

43.9787, 0.3287, 0.4292

### Protanopia

43.5181, 0.3787, 0.4078

### Deuteranopia

43.5582, 0.3918, 0.3838



## Tritanopia

43.8067, 0.2841, 0.3099

# Trichromacy



## Original Color

43.9787, 0.3287, 0.4292

## Protanomaly

43.5859, 0.3595, 0.4157

## Deuteranomaly

43.0707, 0.3671, 0.3987

## Tritanomaly

43.5270, 0.3009, 0.3517

# Monochromacy



## Original Color

43.9787, 0.3287, 0.4292

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

40.8947, 0.3190, 0.3635

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.9787, 0.3287, 0.4292 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(147, 189, 121)` looks like.

```
.text, #text, p{  
    color:rgb(147, 189, 121)  
}
```

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(147, 189, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 189, 121) }
```

## Border

The CSS property to change the border of an element to Yxy 43.9787, 0.3287, 0.4292 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(147, 189, 121) }
```

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

```
.border{ border-color:rgb(147, 189, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 189, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 189, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 189, 121);  
box-shadow:4px 4px 4px 4px rgb(147, 189,  
121) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.9787, 0.3287, 0.4292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 189, 121) }
```

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

```
.background{ background-color: rgb(147,  
189, 121) }
```

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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