

# Converting Colors

$Yxy(44.7368, 0.3321, 0.4201)$

Have a look what the booklet for  
Yxy(44.7368, 0.3321, 0.4201)  
contains.

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# Color

**Yxy(44.8701, 0.3320, 0.4198)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9BBD7E
RGB	155, 189, 126
RGB Percent	61%, 74%, 49%
CMY	0.3920, 0.2588, 0.5059
CMYK	0.18, 0.00, 0.33, 0.26
HSL	92°, 32%, 62%
HSV	92°, 33%, 74%
XYZ	35.4856, 44.8701, 26.5287
YIQ	171.6520, -0.0410, -26.8010

# Conversions

## Conversions Part 2

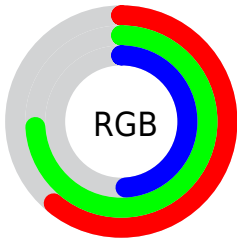
<b>Format</b>	<b>Color</b>
<b>RYB</b>	126, 189, 160
Decimal	10206590
CIELab	72.81, -22.75, 28.20
CIELCh	73, 36.234, 128.900
Yxy	44.8701, 0.3320, 0.4198
Android (android.graphics.Color)	4288396670 (0xFF9BBD7E)
YUV	171.6520, -22.5064, -14.6038
Hunter-Lab	66.9851, -22.6629, 23.4085

# Details

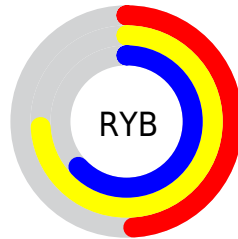
The Yxy color **44.8701, 0.3320, 0.4198** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **26.0658, 0.2863, 0.2397**, and the grayscale version is **41.1894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2611, 0.3293, 0.4021**, and **21.0137, 0.3356, 0.4492** is the 20% darker color. If you saturate the color by 10%, you get **43.4630, 0.3366, 0.4500**, and if you desaturate by 10%, it is **46.4583, 0.3266, 0.3904**.

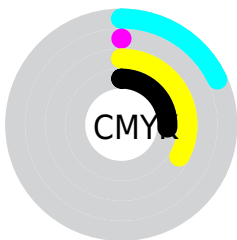
# Distribution



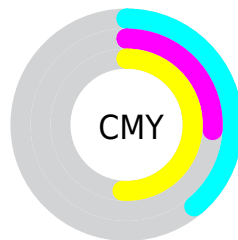
- Red (61%)
- Green (74%)
- Blue (49%)



- Red (49%)
- Yellow (74%)
- Blue (63%)



- Cyan (18%)
- Magenta (0%)
- Yellow (33%)
- Black (26%)




- Cyan (39%)
- Magenta (26%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8701, 0.3320, 0.4198 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 44.8701, 0.3320, 0.4198 by changing the saturation by 10% instead.





 44.8701, 0.3320,  
0.4198

 44.8701, 0.3320,  
0.4198


366.2472, 0.3235,  
0.3724


 31.3551, 0.3336,  
0.4322


 82.5254, 0.3293,  
0.4021

 20.8694, 0.3354,  
0.4484


 107.4346, 0.3281,  
0.3956

 13.0286, 0.3371,  
0.4703


 136.9106, 0.3271,  
0.3902

 7.4482, 0.3381,  
0.5014

171.3379, 0.3262,  
0.3856

 3.7440, 0.3367,  
0.5493

211.1008, 0.3254,  
0.3816

 1.5314, 0.3409,  
0.6591

256.5837, 0.3247,

 0.3107, 0.0000,

0.3781

1.0000

308.1710, 0.3241,  
0.3751

0.0000, 0.0000,  
0.0000

44.8701, 0.3320,  
0.4198

44.8701, 0.3320,  
0.4198

43.4630, 0.3366,  
0.4500

46.4583, 0.3266,  
0.3904

42.2240, 0.3399,  
0.4799

48.2287, 0.3208,  
0.3627

41.1470, 0.3416,  
0.5082


50.1895, 0.3147,  
0.3370


40.2235, 0.3414,  
0.5331

52.3469, 0.3087,  
0.3137


39.4436, 0.3391,  
0.5533

54.7067, 0.3029,  
0.2926


 38.7961, 0.3348,  
0.5679

 57.2743, 0.2973,  
0.2737

 38.4250, 0.3313,  
0.5751

 59.8409, 0.2943,  
0.2600

 61.5409, 0.3018,  
0.2615

 63.3406, 0.3095,  
0.2631

# Harmonies

## Analogous

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



44.8701, 0.3790, 0.4168



44.8701, 0.3320, 0.4198



44.8701, 0.2820, 0.3916

# Triad

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



44.8701, 0.3320, 0.4198



44.8701, 0.2232, 0.2606



44.8701, 0.3864, 0.3109

# Complementary

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



44.8701, 0.3320, 0.4198



26.0658, 0.2863, 0.2397

# 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.



44.8701, 0.3388, 0.2765



44.8701, 0.3320, 0.4198



44.8701, 0.2459, 0.2477

# Square

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



44.8701, 0.3320, 0.4198



44.8701, 0.2219, 0.2936



44.8701, 0.2870, 0.2539



44.8701, 0.4130, 0.3511



# Rectangle

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



44.8701, 0.3320, 0.4198



44.8701, 0.2538, 0.3598



44.8701, 0.2870, 0.2539



44.8701, 0.3721, 0.2985

# Sweetspot

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



44.8721, 0.3320, 0.4198



87.4574, 0.3189, 0.3543



37.3275, 0.3742, 0.3749



18.7038, 0.3197, 0.3580



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.



44.8721, 0.3320, 0.4198



78.4941, 0.3354, 0.4419



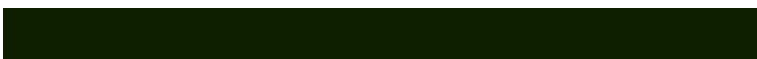
42.3907, 0.3067, 0.4234



10.8592, 0.3184, 0.3522



25.8989, 0.3323, 0.5744



1.0534, 0.3515, 0.5591



# Inverse Universe

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



26.0658, 0.2863, 0.2397



39.6448, 0.2788, 0.2185



29.3237, 0.3187, 0.2498



9.4718, 0.3066, 0.3059



4.4145, 0.2113, 0.0938



0.2114, 0.2368, 0.1078



# Previews

## White Background



This preview shows how the Yxy color 44.8701, 0.3320, 0.4198 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 44.8701, 0.3320, 0.4198 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

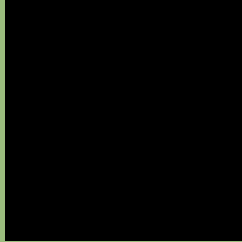
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.8701, 0.3320, 0.4198**

## Background



This preview shows how black text looks on a background with the Yxy color 44.8701, 0.3320, 0.4198.



This preview shows how white text looks on a background with the Yxy color 44.8701, 0.3320, 0.4198.

# 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

44.8701, 0.3320, 0.4198

### Protanopia

44.5587, 0.3746, 0.4035

### Deuteranopia

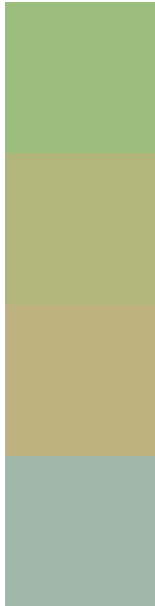
44.5864, 0.3873, 0.3799



## Tritanopia

44.5820, 0.2889, 0.3089

# Trichromacy



**Original Color**

44.8701, 0.3320, 0.4198

**Protanomaly**

44.4697, 0.3580, 0.4093

**Deuteranomaly**

44.5021, 0.3659, 0.3937

**Tritanomaly**

44.3463, 0.3043, 0.3471

# Monochromacy



**Original Color**

44.8701, 0.3320, 0.4198

**Achromatopsia**

41.2543, 0.3127, 0.3290

**Achromatomaly**

42.3143, 0.3208, 0.3614

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.8701, 0.3320, 0.4198 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(155, 189, 126)` looks like.

```
.text, #text, p{  
    color:rgb(155, 189, 126)  
}
```

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(155, 189, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 189, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 44.8701, 0.3320, 0.4198 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(155, 189, 126) }
```

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

```
.border{ border-color:rgb(155, 189, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 189, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 189, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 189, 126); box-shadow:4px 4px 4px 4px rgb(155, 189, 126) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.8701, 0.3320, 0.4198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 189, 126) }
```

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

```
.background{ background-color: rgb(155,  
189, 126) }
```

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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