

# Converting Colors

$Yxy(41.9123, 0.3366, 0.3935)$

Have a look what the booklet for  
Yxy(41.9123, 0.3366, 0.3935)  
contains.

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# Color

**Yxy(41.9608, 0.3370, 0.3934)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A5B386
RGB	165, 179, 134
RGB Percent	65%, 70%, 53%
CMY	0.3528, 0.2981, 0.4745
CMYK	0.08, 0.00, 0.25, 0.30
HSL	79°, 23%, 61%
HSV	79°, 25%, 70%
XYZ	35.9451, 41.9608, 28.7561
YIQ	169.6840, 6.1010, -16.9630

# Conversions

## Conversions Part 2

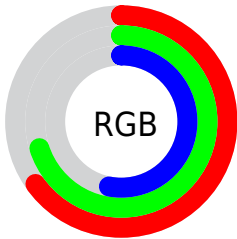
<b>Format</b>	<b>Color</b>
<b>RYB</b>	134, 179, 148
Decimal	10859398
CIELab	70.84, -12.75, 21.41
CIELCh	71, 24.920, 120.766
Yxy	41.9608, 0.3370, 0.3934
Android (android.graphics.Color)	4289049478 (0xFFA5B386)
YUV	169.6840, -17.5922, -4.1079
Hunter-Lab	64.7772, -14.3098, 19.0238

# Details

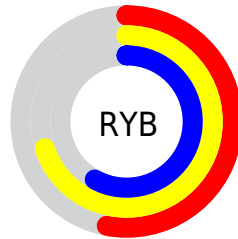
The Yxy color **41.9608, 0.3370, 0.3934** is a light color, and the websafe version is hex **999966**. A complement of this color would be **26.5946, 0.2838, 0.2615**, and the grayscale version is **40.1230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2202, 0.3328, 0.3817**, and **19.0725, 0.3437, 0.4130** is the 20% darker color. If you saturate the color by 10%, you get **40.9219, 0.3462, 0.4207**, and if you desaturate by 10%, it is **43.1137, 0.3274, 0.3668**.

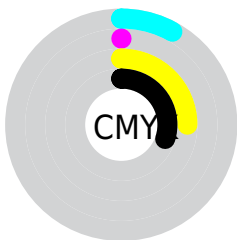
# Distribution



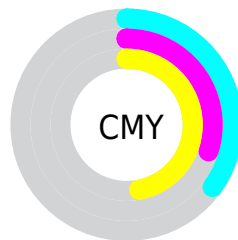
- Red (65%)
- Green (70%)
- Blue (53%)



- Red (53%)
- Yellow (70%)
- Blue (58%)



- Cyan (8%)
- Magenta (0%)
- Yellow (25%)
- Black (30%)



- Cyan (35%)
- Magenta (30%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9608, 0.3370, 0.3934 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 41.9608, 0.3370, 0.3934 by changing the saturation by 10% instead.





 41.9608, 0.3370,  
0.3934


 41.9608, 0.3370,  
0.3934


354.3204, 0.3252,  
0.3599

 29.0706, 0.3398,  
0.4022


 78.1403, 0.3328,  
0.3809

 19.1342, 0.3433,  
0.4136


 102.1984, 0.3312,  
0.3763

 11.7673, 0.3476,  
0.4293


 130.7479, 0.3298,  
0.3725

 6.5854, 0.3531,  
0.4517

164.1732, 0.3286,  
0.3692

 3.2042, 0.3595,  
0.4862

202.8587, 0.3276,  
0.3664

 1.2393, 0.4011,  
0.5989

247.1888, 0.3267,

 0.0934, 0.0000,

0.3639

1.0000

297.5479, 0.3259,  
0.3618

0.0000, 0.0000,  
0.0000

41.9608, 0.3370,  
0.3934

41.9608, 0.3370,  
0.3934

40.9219, 0.3462,  
0.4207

43.1137, 0.3274,  
0.3668

39.9871, 0.3544,  
0.4478

44.3795, 0.3177,  
0.3414

39.1531, 0.3613,  
0.4738

45.7640, 0.3081,  
0.3177

38.4145, 0.3663,  
0.4973

47.2709, 0.2989,  
0.2959

37.7653, 0.3690,  
0.5173

48.9040, 0.2903,  
0.2759

■ 37.1985, 0.3693,  
0.5328

■ 50.6666, 0.2821,  
0.2579

■ 36.7056, 0.3672,  
0.5436

■ 52.2827, 0.2773,  
0.2456

■ 36.4839, 0.3657,  
0.5478

■ 53.0809, 0.2814,  
0.2465

■ 53.9075, 0.2855,  
0.2475

# Harmonies

## Analogous

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



41.9608, 0.3676, 0.3878



41.9608, 0.3370, 0.3934



41.9608, 0.3010, 0.3790

# Triad

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



41.9608, 0.3370, 0.3934



41.9608, 0.2462, 0.2860



41.9608, 0.3565, 0.3091

# Complementary

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



41.9608, 0.3370, 0.3934



26.5946, 0.2838, 0.2615

# 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.



41.9608, 0.3215, 0.2855



41.9608, 0.3370, 0.3934



41.9608, 0.2589, 0.2717

# Square

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



41.9608, 0.3370, 0.3934



41.9608, 0.2499, 0.3137



41.9608, 0.2858, 0.2720



41.9608, 0.3798, 0.3382



# Rectangle

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



41.9608, 0.3370, 0.3934



41.9608, 0.2789, 0.3598



41.9608, 0.2858, 0.2720



41.9608, 0.3456, 0.3004

# Sweetspot

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



41.9626, 0.3370, 0.3934



78.7860, 0.3206, 0.3488



32.3258, 0.3601, 0.3485



17.3790, 0.3220, 0.3526



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.



41.9626, 0.3370, 0.3934



74.1337, 0.3420, 0.4080



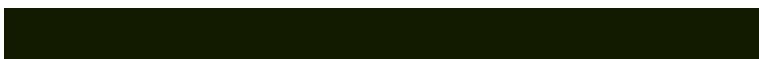
39.7987, 0.3171, 0.3976



9.7718, 0.3217, 0.3518



25.8182, 0.3663, 0.5473



0.8415, 0.3817, 0.5351



# Inverse Universe

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



26.5946, 0.2838, 0.2615



42.0175, 0.2763, 0.2452



28.8485, 0.3062, 0.2658



8.3538, 0.3032, 0.3058



2.9154, 0.1728, 0.0725



0.1234, 0.2057, 0.0907



# Previews

## White Background



This preview shows how the Yxy color 41.9608, 0.3370, 0.3934 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 41.9608, 0.3370, 0.3934 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

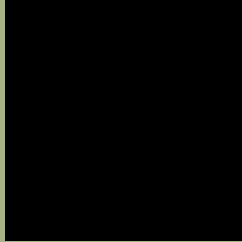
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.9608, 0.3370, 0.3934**

## Background



This preview shows how black text looks on a background with the Yxy color 41.9608, 0.3370, 0.3934.



This preview shows how white text looks on a background with the Yxy color 41.9608, 0.3370, 0.3934.

# 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

41.9608, 0.3370, 0.3934

### Protanopia

41.8401, 0.3603, 0.3861

### Deuteranopia

41.6351, 0.3742, 0.3665



## Tritanopia

41.8209, 0.3013, 0.3102

# Trichromacy



**Original Color**

41.9608, 0.3370, 0.3934

**Protanomaly**

41.7909, 0.3520, 0.3886

**Deuteranomaly**

41.7222, 0.3605, 0.3760

**Tritanomaly**

41.8850, 0.3140, 0.3401

# Monochromacy



**Original Color**

41.9608, 0.3370, 0.3934

**Achromatopsia**

40.1978, 0.3127, 0.3290

**Achromatomaly**

40.6463, 0.3216, 0.3516

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.9608, 0.3370, 0.3934 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(165, 179, 134)` looks like.

```
.text, #text, p{  
    color:rgb(165, 179, 134)  
}
```

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(165, 179, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 179, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 41.9608, 0.3370, 0.3934 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(165, 179, 134) }
```

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

```
.border{ border-color:rgb(165, 179, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 179, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 179, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 179, 134);  
box-shadow:4px 4px 4px 4px rgb(165, 179,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.9608, 0.3370, 0.3934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 179, 134) }
```

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

```
.background{ background-color: rgb(165,  
179, 134) }
```

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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