

# Converting Colors

$Y_{xy}(41.7130, 0.3232, 0.3842)$

Have a look what the booklet for  
Yxy(41.7130, 0.3232, 0.3842)  
contains.

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# Color

**Yxy(41.7636, 0.3231, 0.3843)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DB48E
RGB	157, 180, 142
RGB Percent	62%, 71%, 56%
CMY	0.3842, 0.2941, 0.4432
CMYK	0.13, 0.00, 0.21, 0.29
HSL	96°, 20%, 63%
HSV	96°, 21%, 71%
XYZ	35.1127, 41.7636, 31.7982
YIQ	168.7910, -1.5100, -16.6940

# Conversions

## Conversions Part 2

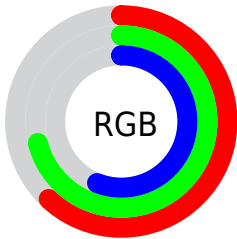
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 180, 165
Decimal	10335374
CIELab	70.71, -14.97, 16.80
CIElCh	71, 22.507, 131.702
Yxy	41.7636, 0.3231, 0.3843
Android (android.graphics.Color)	4288525454 (0xFF9DB48E)
YUV	168.7910, -13.2080, -10.3407
Hunter-Lab	64.6248, -16.1085, 16.0641

# Details

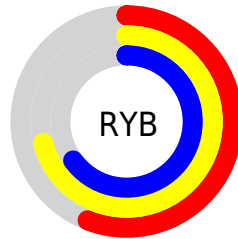
The Yxy color **41.7636, 0.3231, 0.3843** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.6333, 0.3000, 0.2750**, and the grayscale version is **39.6378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9735, 0.3214, 0.3734**, and **18.9547, 0.3246, 0.4009** is the 20% darker color. If you saturate the color by 10%, you get **40.2217, 0.3275, 0.4137**, and if you desaturate by 10%, it is **43.4938, 0.3183, 0.3568**.

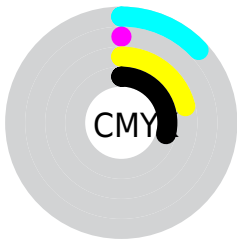
# Distribution



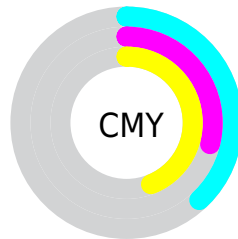
- Red (62%)
- Green (71%)
- Blue (56%)



- Red (56%)
- Yellow (71%)
- Blue (65%)



- Cyan (13%)
- Magenta (0%)
- Yellow (21%)
- Black (29%)




- Cyan (38%)
- Magenta (29%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7636, 0.3231, 0.3843 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 41.7636, 0.3231, 0.3843 by changing the saturation by 10% instead.




 41.7636, 0.3231,  
0.3843


 41.7636, 0.3231,  
0.3843


353.5020, 0.3182,  
0.3554

 28.9162, 0.3242,  
0.3919


 77.8417, 0.3214,  
0.3735

 19.0175, 0.3255,  
0.4020


 101.8413, 0.3208,  
0.3695

 11.6829, 0.3270,  
0.4159


 130.3270, 0.3202,  
0.3662

 6.5281, 0.3287,  
0.4360

163.6833, 0.3197,  
0.3634

 3.1688, 0.3301,  
0.4680

202.2945, 0.3193,  
0.3610

 1.2205, 0.3629,  
0.5819

246.5451, 0.3189,

 0.0783, 0.0000,

0.3588

1.0000

296.8195, 0.3185,  
0.3570

0.0000, 0.0000,  
0.0000

41.7636, 0.3231,  
0.3843

41.7636, 0.3231,  
0.3843

40.2217, 0.3275,  
0.4137

43.4938, 0.3183,  
0.3568

38.8560, 0.3313,  
0.4445

45.4132, 0.3133,  
0.3317

37.6611, 0.3339,  
0.4754


47.5297, 0.3083,  
0.3089


36.6294, 0.3352,  
0.5051

49.8489, 0.3035,  
0.2886


35.7523, 0.3347,  
0.5319


52.3764, 0.2988,  
0.2705

 35.0207, 0.3324,  
0.5542


 55.1174, 0.2945,  
0.2544

 34.4237, 0.3283,  
0.5707

 57.2119, 0.2993,  
0.2517

 33.9899, 0.3238,  
0.5811

 59.1008, 0.3077,  
0.2536

 61.1044, 0.3161,  
0.2556

# Harmonies

## Analogous

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



41.7636, 0.3536, 0.3860



41.7636, 0.3231, 0.3843



41.7636, 0.2909, 0.3652

# Triad

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



41.7636, 0.3231, 0.3843



41.7636, 0.2548, 0.2838



41.7636, 0.3617, 0.3204

# Complementary

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



41.7636, 0.3231, 0.3843



30.6333, 0.3000, 0.2750

# 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.



41.7636, 0.3329, 0.2964



41.7636, 0.3231, 0.3843



41.7636, 0.2715, 0.2754

# Square

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



41.7636, 0.3231, 0.3843



41.7636, 0.2526, 0.3051



41.7636, 0.2997, 0.2803



41.7636, 0.3769, 0.3475



# Rectangle

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



41.7636, 0.3231, 0.3843



41.7636, 0.2728, 0.3457



41.7636, 0.2997, 0.2803



41.7636, 0.3532, 0.3118

# Sweetspot

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



41.7654, 0.3231, 0.3843



80.5672, 0.3158, 0.3439



38.4919, 0.3480, 0.3608



17.3657, 0.3161, 0.3455



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

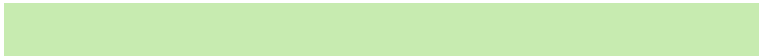


# Same Dimension

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



41.7654, 0.3231, 0.3843



74.4850, 0.3251, 0.3968



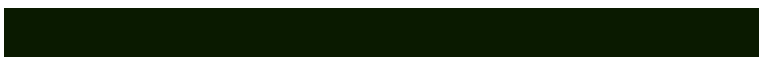
40.4601, 0.3071, 0.3806



9.6487, 0.3174, 0.3521



23.7606, 0.3246, 0.5804



0.7820, 0.3482, 0.5617



# Inverse Universe

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



30.6333, 0.3000, 0.2750



50.9121, 0.2969, 0.2632



32.1890, 0.3188, 0.2823



8.4756, 0.3077, 0.3061



4.5981, 0.2254, 0.1015



0.1774, 0.2523, 0.1164



# Previews

## White Background



This preview shows how the Yxy color 41.7636, 0.3231, 0.3843 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 41.7636, 0.3231, 0.3843 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

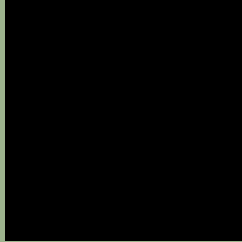
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

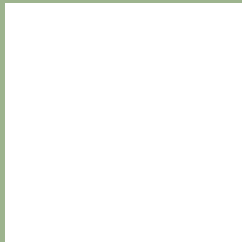
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.7636, 0.3231, 0.3843**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.7636, 0.3231, 0.3843.



This preview shows how white text looks on a background with the Yxy color 41.7636, 0.3231, 0.3843.

# 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

41.7636, 0.3231, 0.3843

### Protanopia

41.4073, 0.3525, 0.3755

### Deuteranopia

41.4589, 0.3637, 0.3564



## Tritanopia

41.7955, 0.2930, 0.3099

# Trichromacy



## Original Color

41.7636, 0.3231, 0.3843

## Protanomaly

41.5227, 0.3422, 0.3794

## Deuteranomaly

41.3298, 0.3484, 0.3658

## Tritanomaly

41.5680, 0.3037, 0.3360

# Monochromacy



## Original Color

41.7636, 0.3231, 0.3843

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

40.3897, 0.3172, 0.3489

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.7636, 0.3231, 0.3843 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(157, 180, 142)` looks like.

```
.text, #text, p{  
    color:rgb(157, 180, 142)  
}
```

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(157, 180, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 180, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 41.7636, 0.3231, 0.3843 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(157, 180, 142) }
```

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

```
.border{ border-color:rgb(157, 180, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 180, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 180, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 180, 142);  
box-shadow:4px 4px 4px 4px rgb(157, 180,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.7636, 0.3231, 0.3843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 180, 142) }
```

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

```
.background{ background-color: rgb(157,  
180, 142) }
```

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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