

# Converting Colors

$Yxy(41.5982, 0.3409, 0.3866)$

Have a look what the booklet for  
Yxy(41.5982, 0.3409, 0.3866)  
contains.

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# Color

**Yxy(41.7679, 0.3404, 0.3870)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAB188
RGB	170, 177, 136
RGB Percent	67%, 69%, 53%
CMY	0.3335, 0.3058, 0.4666
CMYK	0.04, 0.00, 0.23, 0.31
HSL	70°, 21%, 61%
HSV	70°, 23%, 69%
XYZ	36.7385, 41.7679, 29.4210
YIQ	170.2330, 8.9890, -14.2350

# Conversions

## Conversions Part 2

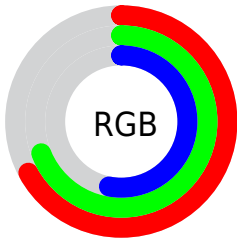
Format	Color
<b>RYB</b>	136, 177, 143
Decimal	11186568
CIELab	70.71, -9.53, 20.20
CIELCh	71, 22.338, 115.260
Yxy	41.7679, 0.3404, 0.3870
Android (android.graphics.Color)	4289376648 (0xFFAAB188)
YUV	170.2330, -16.8769, -0.2043
Hunter-Lab	64.6281, -11.6290, 18.2487

# Details

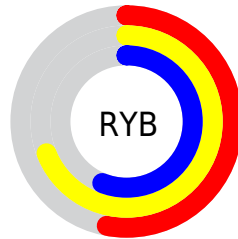
The Yxy color **41.7679, 0.3404, 0.3870** is a light color, and the websafe version is hex **999966**. A complement of this color would be **26.6305, 0.2809, 0.2664**, and the grayscale version is **40.4019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1207, 0.3361, 0.3767**, and **18.8691, 0.3475, 0.4042** is the 20% darker color. If you saturate the color by 10%, you get **40.9721, 0.3521, 0.4130**, and if you desaturate by 10%, it is **42.6583, 0.3284, 0.3613**.

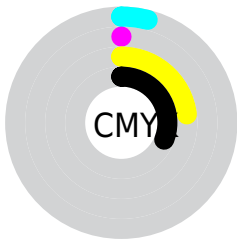
# Distribution



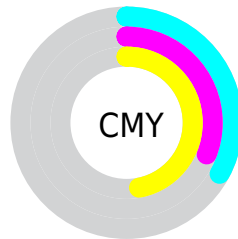
- Red (67%)
- Green (69%)
- Blue (53%)



- Red (53%)
- Yellow (69%)
- Blue (56%)



- Cyan (4%)
- Magenta (0%)
- Yellow (23%)
- Black (31%)




- Cyan (33%)
- Magenta (31%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7679, 0.3404, 0.3870 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 41.7679, 0.3404, 0.3870 by changing the saturation by 10% instead.





 41.7679, 0.3404,  
0.3870


 41.7679, 0.3404,  
0.3870

353.5199, 0.3267,  
0.3569

 28.9196, 0.3437,  
0.3948


 77.8482, 0.3355,  
0.3758

 19.0200, 0.3479,  
0.4050


 101.8490, 0.3336,  
0.3717

 11.6847, 0.3533,  
0.4189


 130.3362, 0.3320,  
0.3683

 6.5294, 0.3605,  
0.4387

163.6939, 0.3307,  
0.3653

 3.1696, 0.3699,  
0.4689

202.3068, 0.3295,  
0.3628

 1.2209, 0.4231,  
0.5769

246.5592, 0.3284,

 0.0787, 0.0000,

0.3606

1.0000

296.8354, 0.3275,  
0.3587

0.0000, 0.0000,  
0.0000

41.7679, 0.3404,  
0.3870

41.7679, 0.3404,  
0.3870

40.9721, 0.3521,  
0.4130

42.6583, 0.3284,  
0.3613

40.2614, 0.3631,  
0.4385

43.6417, 0.3164,  
0.3366

39.6330, 0.3727,  
0.4624


44.7236, 0.3049,  
0.3132


39.0821, 0.3806,  
0.4838


45.9073, 0.2938,  
0.2914

38.6031, 0.3862,  
0.5017

47.1960, 0.2835,  
0.2714

 38.1899, 0.3893,  
0.5153

 48.5930, 0.2739,  
0.2531

 37.8348, 0.3899,  
0.5245

 49.7803, 0.2680,  
0.2412

 37.6147, 0.3894,  
0.5290

 50.1796, 0.2702,  
0.2417

 50.5871, 0.2724,  
0.2422

# Harmonies

## Analogous

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



41.7679, 0.3660, 0.3794



41.7679, 0.3404, 0.3870



41.7679, 0.3083, 0.3772

# Triad

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



41.7679, 0.3404, 0.3870



41.7679, 0.2521, 0.2943



41.7679, 0.3468, 0.3067

# Complementary

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



41.7679, 0.3404, 0.3870



26.6305, 0.2809, 0.2664

# 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.



41.7679, 0.3146, 0.2866



41.7679, 0.3404, 0.3870



41.7679, 0.2610, 0.2787

# Square

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



41.7679, 0.3404, 0.3870



41.7679, 0.2583, 0.3210



41.7679, 0.2834, 0.2764



41.7679, 0.3702, 0.3326



# Rectangle

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



41.7679, 0.3404, 0.3870



41.7679, 0.2876, 0.3618



41.7679, 0.2834, 0.2764



41.7679, 0.3365, 0.2992

# Sweetspot

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



41.7697, 0.3404, 0.3870



77.4304, 0.3211, 0.3462



30.7244, 0.3573, 0.3390



16.7583, 0.3218, 0.3476



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290



# Same Dimension

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



41.7697, 0.3404, 0.3870



74.0167, 0.3467, 0.4008



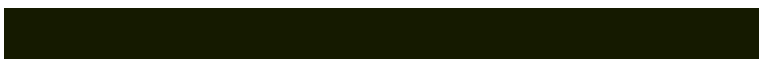
39.6810, 0.3217, 0.3906



9.8313, 0.3238, 0.3517



27.2716, 0.3897, 0.5288



0.8775, 0.3985, 0.5218



# Inverse Universe

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



26.6305, 0.2809, 0.2664



41.9454, 0.2722, 0.2500



28.6088, 0.3012, 0.2700



8.2980, 0.3011, 0.3056



2.5235, 0.1585, 0.0647



0.1006, 0.1825, 0.0779



# Previews

## White Background



This preview shows how the Yxy color 41.7679, 0.3404, 0.3870 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 41.7679, 0.3404, 0.3870 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

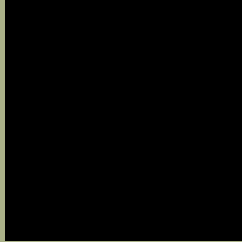
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.7679, 0.3404, 0.3870**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.7679, 0.3404, 0.3870.



This preview shows how white text looks on a background with the Yxy color 41.7679, 0.3404, 0.3870.

# 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

41.7679, 0.3404, 0.3870

### Protanopia

41.7987, 0.3567, 0.3821

### Deuteranopia

41.5249, 0.3722, 0.3653



## Tritanopia

41.8166, 0.3064, 0.3116

# Trichromacy



**Original Color**

41.7679, 0.3404, 0.3870

**Protanomaly**

41.6051, 0.3507, 0.3829

**Deuteranomaly**

41.5027, 0.3609, 0.3733

**Tritanomaly**

41.6758, 0.3186, 0.3372

# Monochromacy



**Original Color**

41.7679, 0.3404, 0.3870

**Achromatopsia**

40.1978, 0.3127, 0.3290

**Achromatomaly**

40.9018, 0.3226, 0.3500

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.7679, 0.3404, 0.3870 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(170, 177, 136)` looks like.

```
.text, #text, p{  
    color:rgb(170, 177, 136)  
}
```

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(170, 177, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 177, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 41.7679, 0.3404, 0.3870 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(170, 177, 136) }
```

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

```
.border{ border-color:rgb(170, 177, 136) }
```

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

Here you see how a box with a 4 pixel rgb(170, 177, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 177, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 177, 136);  
box-shadow:4px 4px 4px 4px rgb(170, 177,  
136) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.7679, 0.3404, 0.3870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 177, 136) }
```

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

```
.background{ background-color: rgb(170,  
177, 136) }
```

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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