

# Converting Colors

$Yxy(41.3246, 0.3237, 0.3428)$

Have a look what the booklet for  
Yxy(41.3246, 0.3237, 0.3428)  
contains.

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# Color

**Yxy(41.2276, 0.3239, 0.3428)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFACA2
RGB	175, 172, 162
RGB Percent	69%, 67%, 64%
CMY	0.3137, 0.3255, 0.3647
CMYK	0.00, 0.02, 0.07, 0.31
HSL	46°, 8%, 66%
HSV	46°, 7%, 69%
XYZ	38.9545, 41.2276, 40.0851
YIQ	171.7570, 4.9980, -2.4740

# Conversions

## Conversions Part 2

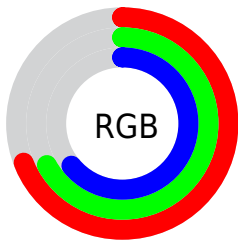
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 175, 162
Decimal	11512994
CIELab	70.34, -0.73, 5.51
CIELCh	70, 5.561, 97.573
Yxy	41.2276, 0.3239, 0.3428
Android (android.graphics.Color)	4289703074 (0xFFAFACA2)
YUV	171.7570, -4.8102, 2.8441
Hunter-Lab	64.2087, -4.0718, 7.9318

# Details

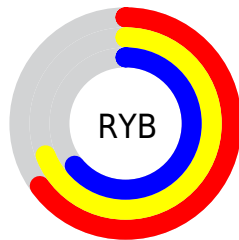
The Yxy color  $41.2276, 0.3239, 0.3428$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $37.6889, 0.3015, 0.3148$ , and the grayscale version is  $41.1499, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $76.9368, 0.3220, 0.3396$ , and  $18.7697, 0.3283, 0.3482$  is the 20% darker color. If you saturate the color by 10%, you get  $39.1329, 0.3400, 0.3621$ , and if you desaturate by 10%, it is  $43.4594, 0.3090, 0.3244$ .

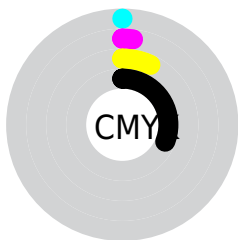
# Distribution



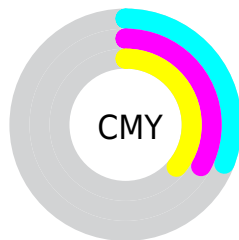
- Red (69%)
- Green (67%)
- Blue (64%)



- Red (65%)
- Yellow (69%)
- Blue (64%)



- Cyan (0%)
- Magenta (2%)
- Yellow (7%)
- Black (31%)




- Cyan (31%)
- Magenta (33%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2276, 0.3239, 0.3428 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 41.2276, 0.3239, 0.3428 by changing the saturation by 10% instead.





 41.2276, 0.3239,  
0.3428


 41.2276, 0.3239,  
0.3428

351.2710, 0.3182,  
0.3358

 28.4970, 0.3254,  
0.3446


 77.0293, 0.3218,  
0.3402

 18.7006, 0.3273,  
0.3470


 100.8691, 0.3210,  
0.3392

 11.4542, 0.3298,  
0.3502


129.1808, 0.3204,  
0.3384

 6.3732, 0.3335,  
0.3548

162.3488, 0.3198,  
0.3377

 3.0733, 0.3392,  
0.3619

200.7574, 0.3193,  
0.3371

 1.1701, 0.3495,  
0.3749

244.7910, 0.3189,

 0.0371, 0.3189,

0.3366

0.6811

294.8341, 0.3185,  
0.3362

0.0000, 0.0000,  
0.0000

41.2276, 0.3239,  
0.3428

41.2276, 0.3239,  
0.3428

39.1329, 0.3400,  
0.3621

43.4594, 0.3090,  
0.3244

37.1659, 0.3572,  
0.3818

45.8267, 0.2954,  
0.3070

35.3243, 0.3751,  
0.4013

48.3349, 0.2831,  
0.2908

33.6035, 0.3933,  
0.4199

50.9873, 0.2720,  
0.2759

31.9986, 0.4111,  
0.4367

53.7873, 0.2621,  
0.2622

■ 30.5043, 0.4279,  
0.4506

■ 55.9406, 0.2596,  
0.2615

■ 29.1144, 0.4427,  
0.4607

■ 57.7940, 0.2601,  
0.2663

■ 27.8222, 0.4550,  
0.4663

■ 59.6970, 0.2607,  
0.2711

■ 26.6173, 0.4645,  
0.4674

■ 61.6501, 0.2613,  
0.2759

# Harmonies

## Analogous

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



41.2276, 0.3281, 0.3394



41.2276, 0.3239, 0.3428



41.2276, 0.3167, 0.3425

# Triad

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



41.2276, 0.3239, 0.3428



41.2276, 0.2976, 0.3245



41.2276, 0.3168, 0.3199

# Complementary

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



41.2276, 0.3239, 0.3428



37.6889, 0.3015, 0.3148

# 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.



41.2276, 0.3086, 0.3159



41.2276, 0.3239, 0.3428



41.2276, 0.2976, 0.3185

# Square

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



41.2276, 0.3239, 0.3428



41.2276, 0.3016, 0.3318



41.2276, 0.3016, 0.3154



41.2276, 0.3240, 0.3261



# Rectangle

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



41.2276, 0.3239, 0.3428



41.2276, 0.3112, 0.3402



41.2276, 0.3016, 0.3154



41.2276, 0.3140, 0.3182

# Sweetspot

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



41.2294, 0.3239, 0.3428



75.9574, 0.3157, 0.3327



37.6726, 0.3224, 0.3248



16.8921, 0.3155, 0.3325



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

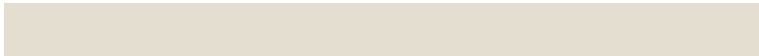


# Same Dimension

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



41.2294, 0.3239, 0.3428



73.1682, 0.3266, 0.3461



41.9912, 0.3204, 0.3470



9.0115, 0.3268, 0.3463



18.9411, 0.4662, 0.4680



0.6027, 0.4494, 0.4813



# Inverse Universe

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



37.6889, 0.3015, 0.3148



65.4515, 0.2988, 0.3113



36.9847, 0.3047, 0.3107



8.0466, 0.2986, 0.3111



3.4058, 0.1577, 0.0875



0.1768, 0.1736, 0.1450



# Previews

## White Background



This preview shows how the Yxy color 41.2276, 0.3239, 0.3428 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

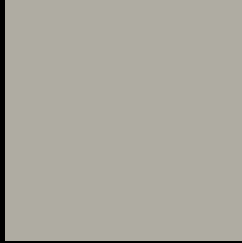
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.2276, 0.3239, 0.3428 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

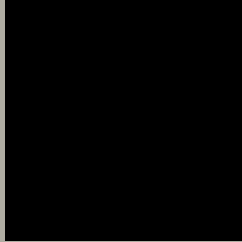
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.2276, 0.3239, 0.3428**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.2276, 0.3239, 0.3428.



This preview shows how white text looks on a background with the Yxy color 41.2276, 0.3239, 0.3428.

# 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

41.2276, 0.3239, 0.3428

### Protanopia

41.0816, 0.3259, 0.3414

### Deuteranopia

41.1232, 0.3400, 0.3330



## Tritanopia

41.2183, 0.3099, 0.3116

# Trichromacy



## Original Color

41.2276, 0.3239, 0.3428

## Protanomaly

40.9646, 0.3249, 0.3414

## Deuteranomaly

41.0887, 0.3339, 0.3357

## Tritanomaly

41.1917, 0.3148, 0.3223

# Monochromacy



## Original Color

41.2276, 0.3239, 0.3428

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

41.2164, 0.3170, 0.3345

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.2276, 0.3239, 0.3428 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(175, 172, 162)` looks like.

```
.text, #text, p{  
    color:rgb(175, 172, 162)  
}
```

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(175, 172, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 172, 162) }
```

## Border

The CSS property to change the border of an element to Yxy 41.2276, 0.3239, 0.3428 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(175, 172, 162) }
```

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

```
.border{ border-color:rgb(175, 172, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 172, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 172, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 172, 162);  
box-shadow:4px 4px 4px 4px rgb(175, 172,  
162) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.2276, 0.3239, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 172, 162) }
```

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

```
.background{ background-color: rgb(175,  
172, 162) }
```

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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