

# Converting Colors

$Yxy(40.8494, 0.3258, 0.3465)$

Have a look what the booklet for  
Yxy(40.8494, 0.3258, 0.3465)  
contains.

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# Color

**Yxy(41.0069, 0.3255, 0.3470)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEAC9F
RGB	174, 172, 159
RGB Percent	68%, 67%, 62%
CMY	0.3177, 0.3255, 0.3763
CMYK	0.00, 0.01, 0.09, 0.32
HSL	52°, 8%, 65%
HSV	52°, 9%, 68%
XYZ	38.4661, 41.0069, 38.7025
YIQ	171.1160, 5.3650, -3.6190

# Conversions

## Conversions Part 2

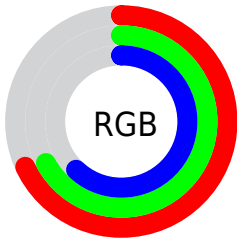
Format	Color
<a href="#">RYB</a>	<a href="#">161, 174, 159</a>
Decimal	<a href="#">11447455</a>
CIELab	<a href="#">70.18, -1.63, 6.91</a>
CIElCh	<a href="#">70, 7.102, 103.238</a>
Yxy	<a href="#">41.0069, 0.3255, 0.3470</a>
Android (android.graphics.Color)	<a href="#">4289637535</a> (0xFFAEAC9F)
YUV	<a href="#">171.1160, -5.9732, 2.5293</a>
Hunter-Lab	<a href="#">64.0366, -4.8410, 8.9919</a>

# Details

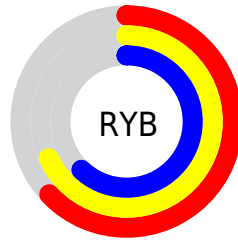
The Yxy color **41.0069, 0.3255, 0.3470** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.9246, 0.2997, 0.3103**, and the grayscale version is **40.8155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4512, 0.3226, 0.3429**, and **18.6532, 0.3294, 0.3521** is the 20% darker color. If you saturate the color by 10%, you get **39.5758, 0.3412, 0.3686**, and if you desaturate by 10%, it is **42.5419, 0.3107, 0.3261**.

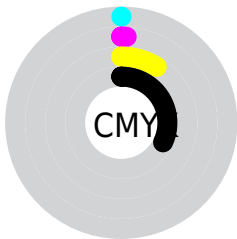
# Distribution



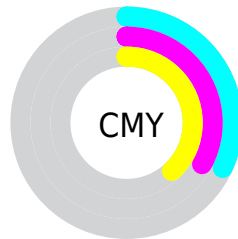
- Red (68%)
- Green (67%)
- Blue (62%)



- Red (63%)
- Yellow (68%)
- Blue (62%)



- Cyan (0%)
- Magenta (1%)
- Yellow (9%)
- Black (32%)




- Cyan (32%)
- Magenta (33%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0069, 0.3255, 0.3470 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 41.0069, 0.3255, 0.3470 by changing the saturation by 10% instead.




 41.0069, 0.3255,  
0.3470


 41.0069, 0.3255,  
0.3470


350.3495, 0.3190,  
0.3378

 28.3245, 0.3272,  
0.3494


 76.6944, 0.3231,  
0.3436

 18.5704, 0.3293,  
0.3525


 100.4682, 0.3222,  
0.3423

 11.3603, 0.3323,  
0.3567


128.7080, 0.3215,  
0.3413

 6.3097, 0.3364,  
0.3628

161.7980, 0.3208,  
0.3404

 3.0343, 0.3428,  
0.3722

200.1228, 0.3203,  
0.3396

 1.1497, 0.3559,  
0.3911

244.0667, 0.3198,

 0.0200, 0.0000,

0.3389

1.0000

294.0141, 0.3194,  
0.3383

0.0000, 0.0000,  
0.0000

41.0069, 0.3255,  
0.3470

41.0069, 0.3255,  
0.3470

39.5758, 0.3412,  
0.3686

42.5419, 0.3107,  
0.3261

38.2396, 0.3574,  
0.3905

44.1787, 0.2969,  
0.3064

36.9962, 0.3738,  
0.4120

45.9224, 0.2843,  
0.2879

35.8415, 0.3898,  
0.4322

47.7762, 0.2727,  
0.2708

34.7709, 0.4049,  
0.4501

49.7428, 0.2622,  
0.2551

■ 33.7794, 0.4183,  
0.4649

■ 51.2705, 0.2574,  
0.2489

■ 32.8614, 0.4294,  
0.4758

■ 52.2494, 0.2577,  
0.2516

■ 32.0103, 0.4378,  
0.4823

■ 53.2440, 0.2581,  
0.2544

■ 31.2143, 0.4438,  
0.4849

■ 54.2544, 0.2584,  
0.2572

# Harmonies

## Analogous

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



41.0069, 0.3318, 0.3434



41.0069, 0.3255, 0.3470



41.0069, 0.3158, 0.3457

# Triad

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



41.0069, 0.3255, 0.3470



41.0069, 0.2930, 0.3215



41.0069, 0.3198, 0.3187

# Complementary

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



41.0069, 0.3255, 0.3470



35.9246, 0.2997, 0.3103

# 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.



41.0069, 0.3093, 0.3130



41.0069, 0.3255, 0.3470



41.0069, 0.2940, 0.3145

# Square

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



41.0069, 0.3255, 0.3470



41.0069, 0.2971, 0.3308



41.0069, 0.2999, 0.3114



41.0069, 0.3285, 0.3270



# Rectangle

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



41.0069, 0.3255, 0.3470



41.0069, 0.3088, 0.3422



41.0069, 0.2999, 0.3114



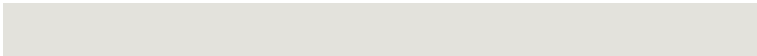
41.0069, 0.3164, 0.3164

# Sweetspot

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



41.0087, 0.3255, 0.3470



75.9160, 0.3172, 0.3353



36.3787, 0.3255, 0.3262



16.8237, 0.3184, 0.3370



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.



41.0087, 0.3255, 0.3470



73.9742, 0.3279, 0.3504



41.1522, 0.3202, 0.3500



9.1463, 0.3266, 0.3485



22.6260, 0.4443, 0.4854



0.6786, 0.4357, 0.4922



# Inverse Universe

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



35.9246, 0.2997, 0.3103



63.1704, 0.2971, 0.3067



35.8102, 0.3048, 0.3078



7.9221, 0.2986, 0.3087



2.7150, 0.1533, 0.0719



0.1277, 0.1645, 0.1123



# Previews

## White Background



This preview shows how the Yxy color 41.0069, 0.3255, 0.3470 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

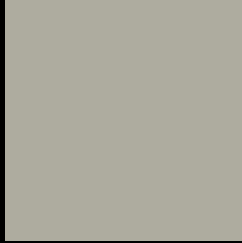
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.0069, 0.3255, 0.3470 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

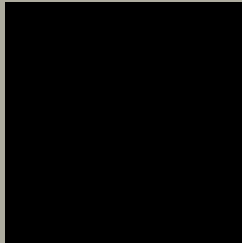
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

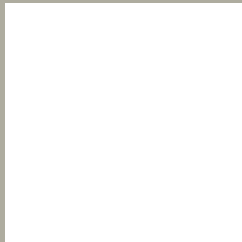
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.0069, 0.3255, 0.3470**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.0069, 0.3255, 0.3470.



This preview shows how white text looks on a background with the Yxy color 41.0069, 0.3255, 0.3470.

# 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

41.0069, 0.3255, 0.3470

### Protanopia

41.0594, 0.3303, 0.3469

### Deuteranopia

41.0170, 0.3428, 0.3370



## Tritanopia

41.1004, 0.3090, 0.3116

# Trichromacy



## Original Color

41.0069, 0.3255, 0.3470

## Protanomaly

40.9416, 0.3293, 0.3469

## Deuteranomaly

40.8576, 0.3357, 0.3398

## Tritanomaly

41.0355, 0.3148, 0.3236

# Monochromacy



## Original Color

41.0069, 0.3255, 0.3470

## Achromatopsia

40.7240, 0.3127, 0.3290

## Achromatomaly

40.6865, 0.3170, 0.3345

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.0069, 0.3255, 0.3470 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(174, 172, 159)` looks like.

```
.text, #text, p{  
    color:rgb(174, 172, 159)  
}
```

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(174, 172, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 172, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 41.0069, 0.3255, 0.3470 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(174, 172, 159) }
```

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

```
.border{ border-color:rgb(174, 172, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 172, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 172, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 172, 159);  
box-shadow:4px 4px 4px 4px rgb(174, 172,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.0069, 0.3255, 0.3470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 172, 159) }
```

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

```
.background{ background-color: rgb(174,  
172, 159) }
```

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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