

# Converting Colors

$Y_{xy}(40.5205, 0.3058, 0.3106)$

Have a look what the booklet for  
Yxy(40.5205, 0.3058, 0.3106)  
contains.

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# Color

**Yxy(40.6376, 0.3055, 0.3114)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADA9B6
RGB	173, 169, 182
RGB Percent	68%, 66%, 71%
CMY	0.3215, 0.3373, 0.2863
CMYK	0.05, 0.07, 0.00, 0.29
HSL	259°, 8%, 69%
HSV	259°, 7%, 71%
XYZ	39.8677, 40.6376, 49.9944
YIQ	171.6780, -1.7890, 4.8910

# Conversions

## Conversions Part 2

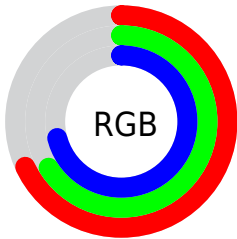
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	173, 169, 182
Decimal	11381174
CIE Lab	69.92, 3.93, -6.15
CIE LCh	70, 7.302, 302.564
Yxy	40.6376, 0.3055, 0.3114
Android (android.graphics.Color)	4289571254 (0xFFADA9B6)
YUV	171.6780, 5.0887, 1.1594
Hunter-Lab	63.7476, 0.0752, -1.8752

# Details

The Yxy color  $40.6376, 0.3055, 0.3114$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $45.7794, 0.3196, 0.3464$ , and the grayscale version is  $41.0603, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $75.9783, 0.3065, 0.3143$ , and  $18.3725, 0.3038, 0.3065$  is the 20% darker color. If you saturate the color by 10%, you get  $32.9664, 0.2940, 0.2846$ , and if you desaturate by 10%, it is  $49.3895, 0.3154, 0.3357$ .

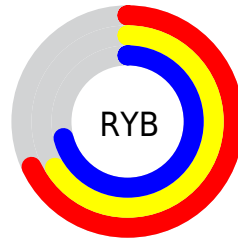
# Distribution



Red (68%)

Green (66%)

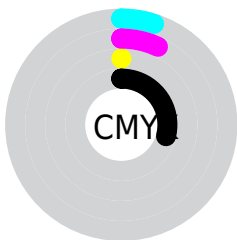
Blue (71%)



Red (68%)

Yellow (66%)

Blue (71%)

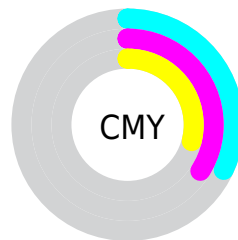


Cyan (5%)

Magenta (7%)

Yellow (0%)

Black (29%)



Cyan (32%)

Magenta (34%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.6376, 0.3055, 0.3114 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 40.6376, 0.3055, 0.3114 by changing the saturation by 10% instead.



■ 40.6376, 0.3055,  
0.3114

■ 40.6376, 0.3055,  
0.3114

348.8037, 0.3092,  
0.3203

■ 28.0360, 0.3045,  
0.3091

■ 76.1335, 0.3069,  
0.3147

■ 18.3528, 0.3033,  
0.3062

■ 99.7965, 0.3074,  
0.3159

■ 11.2036, 0.3016,  
0.3022

127.9155, 0.3078,  
0.3169

■ 6.2039, 0.2991,  
0.2966

160.8749, 0.3082,  
0.3178

■ 2.9695, 0.2952,  
0.2881

199.0590, 0.3085,  
0.3186

■ 1.1158, 0.2882,  
0.2734

242.8522, 0.3088,

■ 0.0000, 0.1724,

0.3192

0.0000

292.6390, 0.3090,  
0.3198

0.0000, 0.0000,  
0.0000

40.6376, 0.3055,  
0.3114

40.6376, 0.3055,  
0.3114

32.9664, 0.2940,  
0.2846

49.3895, 0.3154,  
0.3357

26.3284, 0.2810,  
0.2554

59.2570, 0.3238,  
0.3574

20.6801, 0.2663,  
0.2243

70.2797, 0.3310,  
0.3766

15.9727, 0.2504,  
0.1925

82.4938, 0.3371,  
0.3936

12.1534, 0.2336,  
0.1611

92.7048, 0.3432,  
0.4040

■ 9.1640, 0.2167,  
0.1320

■ 94.9303, 0.3517,  
0.4019

■ 6.9390, 0.2006,  
0.1070

■ 96.1571, 0.3561,  
0.4008

■ 5.4027, 0.1863,  
0.0878

■ 4.4484, 0.1745,  
0.0749

# Harmonies

## Analogous

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



40.6376, 0.2968, 0.3115



40.6376, 0.3055, 0.3114



40.6376, 0.3163, 0.3159

# Triad

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



40.6376, 0.3055, 0.3114



40.6376, 0.3335, 0.3414



40.6376, 0.2993, 0.3343

# Complementary

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



40.6376, 0.3055, 0.3114



45.7794, 0.3196, 0.3464

# 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.



40.6376, 0.3090, 0.3427



40.6376, 0.3055, 0.3114



40.6376, 0.3287, 0.3468

# Square

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



40.6376, 0.3055, 0.3114



40.6376, 0.3325, 0.3330



40.6376, 0.3197, 0.3473



40.6376, 0.2933, 0.3245



# Rectangle

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



40.6376, 0.3055, 0.3114



40.6376, 0.3232, 0.3208



40.6376, 0.3197, 0.3473



40.6376, 0.3022, 0.3374

# Sweetspot

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



40.6393, 0.3055, 0.3114



81.5371, 0.3107, 0.3241



43.6907, 0.3019, 0.3237



18.0460, 0.3108, 0.3244



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



40.6393, 0.3055, 0.3114



70.7307, 0.3033, 0.3062



41.3835, 0.3112, 0.3117



8.8507, 0.3031, 0.3057



3.0170, 0.1725, 0.0724



0.1401, 0.2030, 0.0892



# Inverse Universe

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



41.5331, 0.3169, 0.3171



72.7868, 0.3182, 0.3137



45.0430, 0.3141, 0.3467



9.1141, 0.3183, 0.3133



8.0932, 0.4167, 0.2069



0.2959, 0.3865, 0.1903



# Previews

## White Background



This preview shows how the Yxy color 40.6376, 0.3055, 0.3114 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

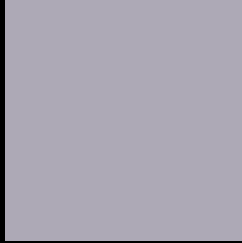
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.6376, 0.3055, 0.3114 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

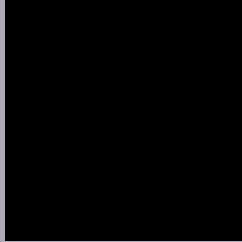
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

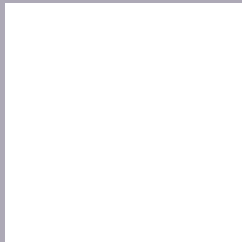
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 40.6376, 0.3055, 0.3114**

## **Background**



This preview shows how black text looks on a background with the Yxy color 40.6376, 0.3055, 0.3114.

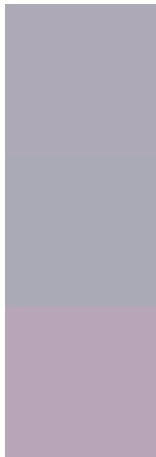


This preview shows how white text looks on a background with the Yxy color 40.6376, 0.3055, 0.3114.

# 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

40.6376, 0.3055, 0.3114

### Protanopia

40.6729, 0.3028, 0.3126

### Deuteranopia

40.6364, 0.3129, 0.3065



## Tritanopia

40.6376, 0.3055, 0.3114

# Trichromacy



## Original Color

40.6376, 0.3055, 0.3114

## Protanomaly

40.7848, 0.3037, 0.3127

## Deuteranomaly

40.6400, 0.3101, 0.3077

## Tritanomaly

40.6376, 0.3055, 0.3114

# Monochromacy



## Original Color

40.6376, 0.3055, 0.3114

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

41.0311, 0.3095, 0.3222

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.6376, 0.3055, 0.3114 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(173, 169, 182)` looks like.

```
.text, #text, p{  
    color:rgb(173, 169, 182)  
}
```

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(173, 169, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 169, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 40.6376, 0.3055, 0.3114 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(173, 169, 182) }
```

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

```
.border{ border-color:rgb(173, 169, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 169, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 169, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 169, 182);  
box-shadow:4px 4px 4px 4px rgb(173, 169,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.6376, 0.3055, 0.3114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 169, 182) }
```

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

```
.background{ background-color: rgb(173,  
169, 182) }
```

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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