

# Converting Colors

$Y_{xy}(41.1179, 0.3166, 0.3110)$

Have a look what the booklet for  
Yxy(41.1179, 0.3166, 0.3110)  
contains.

<b>Yxy(41.1640, 0.3163, 0.3106)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(41.1640, 0.3163, 0.3106)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8A7B5
RGB	184, 167, 181
RGB Percent	72%, 65%, 71%
CMY	0.2786, 0.3450, 0.2902
CMYK	0.00, 0.09, 0.02, 0.28
HSL	311°, 11%, 69%
HSV	311°, 9%, 72%
XYZ	41.9194, 41.1640, 49.4472
YIQ	173.6790, 5.6380, 7.9580

# Conversions

## Conversions Part 2

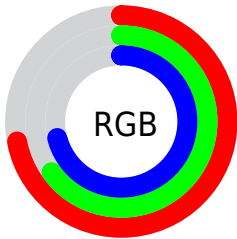
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 167, 181
Decimal	12101557
CIELab	70.29, 8.65, -4.95
CIELCh	70, 9.969, 330.212
Yxy	41.1640, 0.3163, 0.3106
Android (android.graphics.Color)	4290291637 (0xFFB8A7B5)
YUV	173.6790, 3.6093, 9.0515
Hunter-Lab	64.1592, 4.3473, -0.7831

# Details

The Yxy color  $41.1640, 0.3163, 0.3106$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $45.3863, 0.3093, 0.3481$ , and the grayscale version is  $42.1321, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $76.8822, 0.3155, 0.3137$ , and  $18.6453, 0.3177, 0.3055$  is the 20% darker color. If you saturate the color by 10%, you get  $34.7661, 0.3207, 0.2900$ , and if you desaturate by 10%, it is  $48.5275, 0.3124, 0.3305$ .

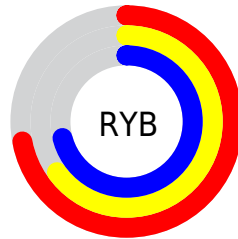
# Distribution



Red (72%)

Green (65%)

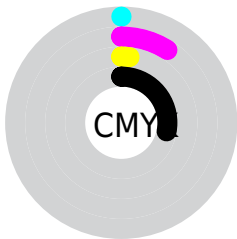
Blue (71%)



Red (72%)

Yellow (65%)

Blue (71%)

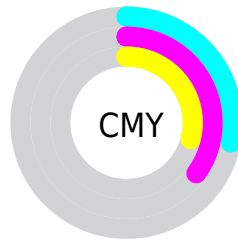


Cyan (0%)

Magenta (9%)

Yellow (2%)

Black (28%)



Cyan (28%)

Magenta (35%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1640, 0.3163, 0.3106 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 41.1640, 0.3163, 0.3106 by changing the saturation by 10% instead.





 41.1640, 0.3163,  
0.3106

 41.1640, 0.3163,  
0.3106

351.0056, 0.3145,  
0.3199

 28.4473, 0.3167,  
0.3083


 76.9328, 0.3157,  
0.3140

 18.6631, 0.3173,  
0.3052


 100.7536, 0.3154,  
0.3153

 11.4271, 0.3180,  
0.3012


129.0446, 0.3152,  
0.3163

 6.3549, 0.3190,  
0.2955

162.1901, 0.3150,  
0.3172

 3.0620, 0.3205,  
0.2869

200.5746, 0.3149,  
0.3180

 1.1642, 0.3228,  
0.2724

244.5824, 0.3148,

 0.0322, 0.3690,

0.3187

0.0491

294.5979, 0.3146,  
0.3193

0.0000, 0.0000,  
0.0000

41.1640, 0.3163,  
0.3106

41.1640, 0.3163,  
0.3106

34.7661, 0.3207,  
0.2900

48.5275, 0.3124,  
0.3305

29.2880, 0.3258,  
0.2691

56.8890, 0.3091,  
0.3494

24.6884, 0.3314,  
0.2486

66.2862, 0.3063,  
0.3671

20.9208, 0.3375,  
0.2294

76.7532, 0.3039,  
0.3834

17.9341, 0.3441,  
0.2124

85.7435, 0.3019,  
0.3945

■ 15.6719, 0.3508,  
0.1985

■ 85.8933, 0.3001,  
0.3907

■ 14.0700, 0.3576,  
0.1887

■ 86.0462, 0.2984,  
0.3869

■ 13.0531, 0.3642,  
0.1833

■ 86.2023, 0.2967,  
0.3831

■ 12.4825, 0.3704,  
0.1818

■ 86.3617, 0.2950,  
0.3794

# Harmonies

## Analogous

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



41.1640, 0.3018, 0.3050



41.1640, 0.3163, 0.3106



41.1640, 0.3301, 0.3208

# Triad

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



41.1640, 0.3163, 0.3106



41.1640, 0.3352, 0.3528



41.1640, 0.2868, 0.3238

# Complementary

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



41.1640, 0.3163, 0.3106



45.3863, 0.3093, 0.3481

# 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.



41.1640, 0.2954, 0.3372



41.1640, 0.3163, 0.3106



41.1640, 0.3233, 0.3542

# Square

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



41.1640, 0.3163, 0.3106



41.1640, 0.3412, 0.3450



41.1640, 0.3087, 0.3485



41.1640, 0.2850, 0.3122



# Rectangle

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



41.1640, 0.3163, 0.3106



41.1640, 0.3370, 0.3291



41.1640, 0.3087, 0.3485



41.1640, 0.2890, 0.3282

# Sweetspot

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



41.1658, 0.3163, 0.3106



82.6718, 0.3138, 0.3230



39.6315, 0.3011, 0.3059



17.5887, 0.3142, 0.3214



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.



41.1658, 0.3163, 0.3106



72.2314, 0.3171, 0.3066



40.8342, 0.3235, 0.3215



9.1350, 0.3164, 0.3104



8.5883, 0.3702, 0.1813



0.3100, 0.3555, 0.1732



# Inverse Universe

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



41.1658, 0.3163, 0.3106



72.2314, 0.3171, 0.3066



45.7114, 0.3030, 0.3366



9.1350, 0.3164, 0.3104



8.5883, 0.3702, 0.1813

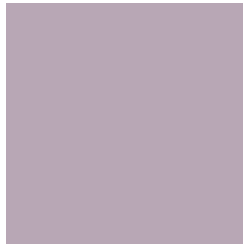


0.3100, 0.3555, 0.1732



# Previews

## White Background



This preview shows how the Yxy color 41.1640, 0.3163, 0.3106 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

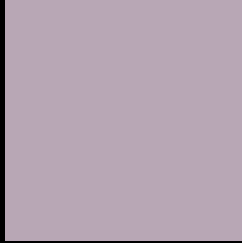
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.1640, 0.3163, 0.3106 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

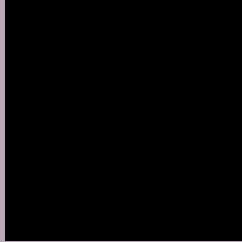
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.1640, 0.3163, 0.3106**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.1640, 0.3163, 0.3106.



This preview shows how white text looks on a background with the Yxy color 41.1640, 0.3163, 0.3106.

# 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

41.1640, 0.3163, 0.3106

### Protanopia

41.3154, 0.3037, 0.3128

### Deuteranopia

41.1640, 0.3163, 0.3106



## Tritanopia

41.1231, 0.3172, 0.3119

# Trichromacy



## Original Color

41.1640, 0.3163, 0.3106

## Protanomaly

41.3570, 0.3081, 0.3129

## Deuteranomaly

41.1640, 0.3163, 0.3106

## Tritanomaly

41.1231, 0.3172, 0.3119

# Monochromacy



## Original Color

41.1640, 0.3163, 0.3106

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

41.7651, 0.3140, 0.3210

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.1640, 0.3163, 0.3106 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(184, 167, 181)` looks like.

```
.text, #text, p{  
    color:rgb(184, 167, 181)  
}
```

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(184, 167, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 167, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 41.1640, 0.3163, 0.3106 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(184, 167, 181) }
```

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

```
.border{ border-color:rgb(184, 167, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 167, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(184, 167, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(184, 167, 181); box-shadow:4px 4px 4px 4px rgb(184, 167, 181) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.1640, 0.3163, 0.3106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 167, 181) }
```

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

```
.background{ background-color: rgb(184,  
167, 181) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor