

# Converting Colors

$Yxy(35.6487, 0.3161, 0.3136)$

Have a look what the booklet for  
Yxy(35.6487, 0.3161, 0.3136)  
contains.

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# Color

**Yxy(35.5990, 0.3164, 0.3135)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AB9DA8
RGB	171, 157, 168
RGB Percent	67%, 62%, 66%
CMY	0.3292, 0.3844, 0.3412
CMYK	0.00, 0.08, 0.02, 0.33
HSL	313°, 8%, 64%
HSV	313°, 8%, 67%
XYZ	35.9283, 35.5990, 42.0261
YIQ	162.4400, 4.8130, 6.3890

# Conversions

## Conversions Part 2

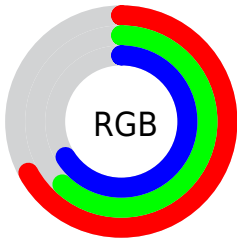
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 157, 168
Decimal	11247016
CIE Lab	66.21, 7.16, -3.87
CIE LCh	66, 8.140, 331.588
Yxy	35.5990, 0.3164, 0.3135
Android (android.graphics.Color)	4289437096 (0xFFAB9DA8)
YUV	162.4400, 2.7411, 7.5071
Hunter-Lab	59.6649, 3.0735, 0.0034

# Details

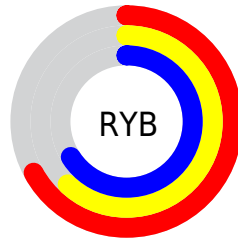
The Yxy color **35.5990, 0.3164, 0.3135** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.8519, 0.3092, 0.3450**, and the grayscale version is **36.3372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5834, 0.3155, 0.3171**, and **15.4910, 0.3178, 0.3093** is the 20% darker color. If you saturate the color by 10%, you get **30.0765, 0.3215, 0.2940**, and if you desaturate by 10%, it is **41.9388, 0.3120, 0.3323**.

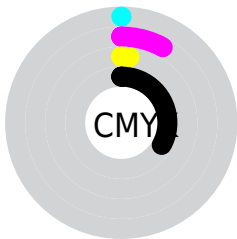
# Distribution



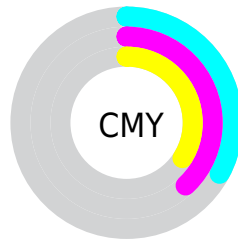
- Red (67%)
- Green (62%)
- Blue (66%)



- Red (67%)
- Yellow (62%)
- Blue (66%)



- Cyan (0%)
- Magenta (8%)
- Yellow (2%)
- Black (33%)




- Cyan (33%)
- Magenta (38%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.5990, 0.3164, 0.3135 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 35.5990, 0.3164, 0.3135 by changing the saturation by 10% instead.




 35.5990, 0.3164,  
0.3135


 35.5990, 0.3164,  
0.3135


327.2044, 0.3145,  
0.3215

 24.1247, 0.3169,  
0.3114

 68.4127, 0.3157,  
0.3165

 15.4261, 0.3175,  
0.3087


 90.5208, 0.3155,  
0.3176

 9.1190, 0.3184,  
0.3049


116.9423, 0.3152,  
0.3185

 4.8189, 0.3196,  
0.2995

148.0616, 0.3151,  
0.3193

 2.1414, 0.3215,  
0.2909

184.2631, 0.3149,  
0.3200

 0.6877, 0.3266,  
0.2711

225.9311, 0.3148,


 0.0000, 0.0000,

0.3205


0.0000


273.4501, 0.3146,  
0.3211

 35.5990, 0.3164,  
0.3135

 35.5990, 0.3164,  
0.3135


 30.0765, 0.3215,  
0.2940


 41.9388, 0.3120,  
0.3323

 25.3332, 0.3274,  
0.2741

 49.1229, 0.3082,  
0.3500

 21.3347, 0.3340,  
0.2545

 57.1827, 0.3050,  
0.3665

 18.0425, 0.3414,  
0.2359

 66.1466, 0.3023,  
0.3818

 15.4144, 0.3493,  
0.2193

 76.0417, 0.3001,  
0.3959

■ 13.4037, 0.3577,  
0.2056

■ 83.9120, 0.2981,  
0.4042

■ 11.9578, 0.3662,  
0.1958

■ 84.0763, 0.2962,  
0.3997

■ 11.0150, 0.3746,  
0.1904

■ 84.2448, 0.2943,  
0.3953

■ 10.4697, 0.3827,  
0.1891

■ 84.4175, 0.2924,  
0.3908

# Harmonies

## Analogous

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



35.5990, 0.3039, 0.3085



35.5990, 0.3164, 0.3135



35.5990, 0.3281, 0.3225

# Triad

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



35.5990, 0.3164, 0.3135



35.5990, 0.3316, 0.3496



35.5990, 0.2903, 0.3241

# Complementary

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



35.5990, 0.3164, 0.3135



38.8519, 0.3092, 0.3450

# 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.



35.5990, 0.2974, 0.3355



35.5990, 0.3164, 0.3135



35.5990, 0.3212, 0.3505

# Square

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



35.5990, 0.3164, 0.3135



35.5990, 0.3370, 0.3432



35.5990, 0.3087, 0.3453



35.5990, 0.2890, 0.3143



# Rectangle

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



35.5990, 0.3164, 0.3135



35.5990, 0.3338, 0.3296



35.5990, 0.3087, 0.3453



35.5990, 0.2921, 0.3279

# Sweetspot

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



35.6005, 0.3164, 0.3135



70.5594, 0.3136, 0.3252



34.5045, 0.3029, 0.3086



15.7637, 0.3135, 0.3254



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290



# Same Dimension

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



35.6005, 0.3164, 0.3135



61.6716, 0.3173, 0.3097



35.3536, 0.3227, 0.3230



8.1179, 0.3169, 0.3114



7.8316, 0.3835, 0.1886



0.2252, 0.3612, 0.1763



# Inverse Universe

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



35.6005, 0.3164, 0.3135



61.6716, 0.3173, 0.3097



39.0966, 0.3037, 0.3351



8.1179, 0.3169, 0.3114



7.8316, 0.3835, 0.1886

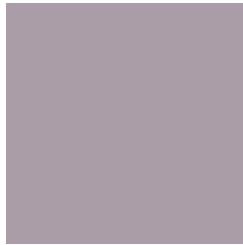


0.2252, 0.3612, 0.1763



# Previews

## White Background



This preview shows how the Yxy color 35.5990, 0.3164, 0.3135 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

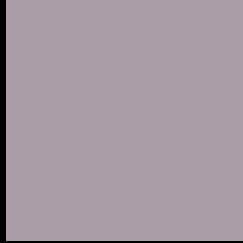
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.5990, 0.3164, 0.3135 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

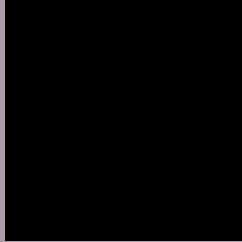
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.5990, 0.3164, 0.3135**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.5990, 0.3164, 0.3135.



This preview shows how white text looks on a background with the Yxy color 35.5990, 0.3164, 0.3135.

# 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

35.5990, 0.3164, 0.3135

### Protanopia

35.6210, 0.3049, 0.3146

### Deuteranopia

35.4883, 0.3184, 0.3122



## Tritanopia

35.6364, 0.3154, 0.3121

# Trichromacy



## Original Color

35.5990, 0.3164, 0.3135

## Protanomaly

35.6602, 0.3096, 0.3147

## Deuteranomaly

35.3747, 0.3174, 0.3122

## Tritanomaly

35.6364, 0.3154, 0.3121

# Monochromacy



## Original Color

35.5990, 0.3164, 0.3135

## Achromatopsia

36.1307, 0.3127, 0.3290

## Achromatomaly

35.8213, 0.3139, 0.3233

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.5990, 0.3164, 0.3135 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(171, 157, 168)` looks like.

```
.text, #text, p{  
    color:rgb(171, 157, 168)  
}
```

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(171, 157, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 157, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 35.5990, 0.3164, 0.3135 is called "border". The border property can be set on classes, ids or directly on the HTML element.

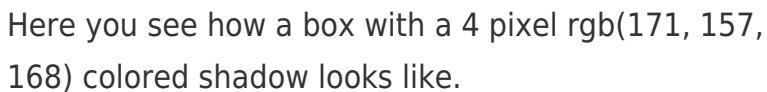
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 157, 168) }
```

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

```
.border{ border-color:rgb(171, 157, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 157, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 157, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 157, 168); box-shadow:4px 4px 4px 4px rgb(171, 157, 168) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.5990, 0.3164, 0.3135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 157, 168) }
```

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

```
.background{ background-color: rgb(171,  
157, 168) }
```

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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