

# Converting Colors

$Yxy(35.6711, 0.3155, 0.3241)$

Have a look what the booklet for  
Yxy(35.6711, 0.3155, 0.3241)  
contains.

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# Color

**Yxy(35.8929, 0.3158, 0.3247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6A0A3
RGB	166, 160, 163
RGB Percent	65%, 63%, 64%
CMY	0.3490, 0.3725, 0.3608
CMYK	0.00, 0.04, 0.02, 0.35
HSL	330°, 3%, 64%
HSV	330°, 4%, 65%
XYZ	34.9091, 35.8929, 39.7398
YIQ	162.1360, 2.6130, 2.2050

# Conversions

## Conversions Part 2

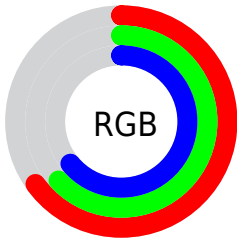
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	166, 160, 163
Decimal	10920099
CIE Lab	66.44, 2.74, -0.79
CIE LCh	66, 2.848, 343.817
Yxy	35.8929, 0.3158, 0.3247
Android (android.graphics.Color)	4289110179 (0xFFA6A0A3)
YUV	162.1360, 0.4260, 3.3887
Hunter-Lab	59.9107, -0.8344, 2.6094

# Details

The Yxy color **35.8929, 0.3158, 0.3247** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.3942, 0.3097, 0.3333**, and the grayscale version is **36.1967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0350, 0.3151, 0.3257**, and **15.6624, 0.3170, 0.3250** is the 20% darker color. If you saturate the color by 10%, you get **30.2297, 0.3255, 0.3123**, and if you desaturate by 10%, it is **42.3473, 0.3078, 0.3363**.

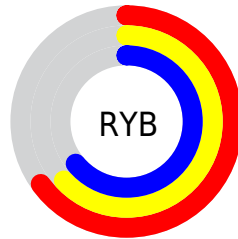
# Distribution



Red (65%)

Green (63%)

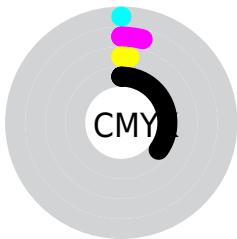
Blue (64%)



Red (65%)

Yellow (63%)

Blue (64%)

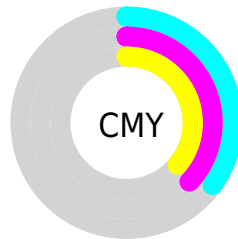


Cyan (0%)

Magenta (4%)

Yellow (2%)

Black (35%)



Cyan (35%)

Magenta (37%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8929, 0.3158, 0.3247 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 35.8929, 0.3158, 0.3247 by changing the saturation by 10% instead.





 35.8929, 0.3158,  
0.3247


 35.8929, 0.3158,  
0.3247


328.4922, 0.3142,  
0.3269

 24.3515, 0.3162,  
0.3241


 68.8667, 0.3152,  
0.3255

 15.5946, 0.3168,  
0.3233


 91.0679, 0.3150,  
0.3258

 9.2377, 0.3175,  
0.3223


117.5912, 0.3148,  
0.3261

 4.8966, 0.3187,  
0.3207

148.8209, 0.3146,  
0.3263

 2.1867, 0.3205,  
0.3181

185.1415, 0.3145,  
0.3265

 0.7127, 0.3252,  
0.3114


226.9373, 0.3144,


 0.0000, 0.0000,

0.3267

0.0000


274.5927, 0.3143,  
0.3268

 35.8929, 0.3158,  
0.3247


 35.8929, 0.3158,  
0.3247


 30.2297, 0.3255,  
0.3123


 42.3473, 0.3078,  
0.3363


 25.3225, 0.3371,  
0.2994


 49.6172, 0.3011,  
0.3471


 21.1403, 0.3510,  
0.2862

 57.7317, 0.2956,  
0.3571

 17.6479, 0.3673,  
0.2734

 66.7168, 0.2911,  
0.3662

 14.8076, 0.3861,  
0.2615

 76.5976, 0.2873,  
0.3746

■ 12.5776, 0.4074,  
0.2517

■ 84.4235, 0.2838,  
0.3774

■ 10.9114, 0.4306,  
0.2452

■ 84.8557, 0.2796,  
0.3675

■ 9.7558, 0.4549,  
0.2430

■ 85.3097, 0.2755,  
0.3578

■ 9.0471, 0.4791,  
0.2460

■ 85.7860, 0.2714,  
0.3482

# Harmonies

## Analogous

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



35.8929, 0.3114, 0.3223



35.8929, 0.3158, 0.3247



35.8929, 0.3194, 0.3283

# Triad

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



35.8929, 0.3158, 0.3247



35.8929, 0.3180, 0.3365



35.8929, 0.3044, 0.3259

# Complementary

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



35.8929, 0.3158, 0.3247



37.3942, 0.3097, 0.3333

# 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.



35.8929, 0.3061, 0.3297



35.8929, 0.3158, 0.3247



35.8929, 0.3140, 0.3359

# Square

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



35.8929, 0.3158, 0.3247



35.8929, 0.3207, 0.3351



35.8929, 0.3096, 0.3334



35.8929, 0.3048, 0.3229



# Rectangle

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



35.8929, 0.3158, 0.3247



35.8929, 0.3208, 0.3309



35.8929, 0.3096, 0.3334



35.8929, 0.3047, 0.3271

# Sweetspot

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



35.8945, 0.3158, 0.3247



68.0425, 0.3136, 0.3278



35.6825, 0.3103, 0.3203



15.2412, 0.3135, 0.3279



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290



# Same Dimension

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



35.8945, 0.3158, 0.3247



64.6385, 0.3162, 0.3242



35.7881, 0.3185, 0.3290



8.2305, 0.3167, 0.3235



6.7798, 0.4924, 0.2486



0.1753, 0.4218, 0.2097



# Inverse Universe

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



35.8945, 0.3158, 0.3247



64.6385, 0.3162, 0.3242



37.5032, 0.3072, 0.3290



8.2305, 0.3167, 0.3235



6.7798, 0.4924, 0.2486



0.1753, 0.4218, 0.2097



# Previews

## White Background



This preview shows how the Yxy color 35.8929, 0.3158, 0.3247 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 35.8929, 0.3158, 0.3247 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

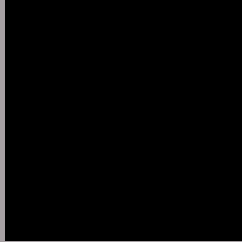
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

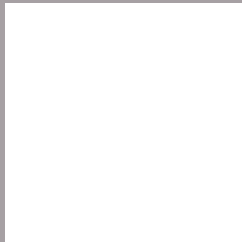
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 35.8929, 0.3158, 0.3247**

## Background



This preview shows how black text looks on a background with the Yxy color 35.8929, 0.3158, 0.3247.



This preview shows how white text looks on a background with the Yxy color 35.8929, 0.3158, 0.3247.

# 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

35.8929, 0.3158, 0.3247

### Protanopia

36.0266, 0.3138, 0.3261

### Deuteranopia

35.6874, 0.3251, 0.3179



## Tritanopia

35.9520, 0.3097, 0.3120

# Trichromacy



## Original Color

35.8929, 0.3158, 0.3247

## Protanomaly

36.1334, 0.3148, 0.3261

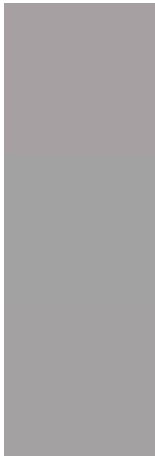
## Deuteranomaly

35.5649, 0.3210, 0.3191

## Tritanomaly

35.8389, 0.3124, 0.3162

# Monochromacy



## Original Color

35.8929, 0.3158, 0.3247

## Achromatopsia

36.1307, 0.3127, 0.3290

## Achromatomaly

35.8849, 0.3137, 0.3276

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.8929, 0.3158, 0.3247 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(166, 160, 163)` looks like.

```
.text, #text, p{  
    color:rgb(166, 160, 163)  
}
```

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(166, 160, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 160, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 35.8929, 0.3158, 0.3247 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(166, 160, 163) }
```

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

```
.border{ border-color:rgb(166, 160, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 160, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 160, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 160, 163);  
box-shadow:4px 4px 4px 4px rgb(166, 160,  
163) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.8929, 0.3158, 0.3247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 160, 163) }
```

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

```
.background{ background-color: rgb(166,  
160, 163) }
```

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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