

# Converting Colors

$Y_{xy}(34.9418, 0.2934, 0.3215)$

Have a look what the booklet for  
Yxy(34.9418, 0.2934, 0.3215)  
contains.

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# Color

**Yxy(35.0954, 0.2938, 0.3229)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92A3A7
RGB	146, 163, 167
RGB Percent	57%, 64%, 65%
CMY	0.4273, 0.3608, 0.3450
CMYK	0.13, 0.02, 0.00, 0.35
HSL	192°, 11%, 61%
HSV	192°, 13%, 65%
XYZ	31.9326, 35.0954, 41.6602
YIQ	158.3730, -11.4160, -2.3600

# Conversions

## Conversions Part 2

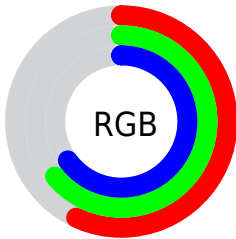
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 155, 167
Decimal	9610151
CIELab	65.82, -5.09, -4.12
CIELCh	66, 6.552, 218.971
Yxy	35.0954, 0.2938, 0.3229
Android (android.graphics.Color)	4287800231 (0xFF92A3A7)
YUV	158.3730, 4.2531, -10.8511
Hunter-Lab	59.2414, -7.4565, -0.2254

# Details

The Yxy color **35.0954, 0.2938, 0.3229** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.1284, 0.3342, 0.3350**, and the grayscale version is **34.3582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6961, 0.2975, 0.3244**, and **15.0396, 0.2875, 0.3203** is the 20% darker color. If you saturate the color by 10%, you get **32.5514, 0.2791, 0.3175**, and if you desaturate by 10%, it is **37.8949, 0.3088, 0.3278**.

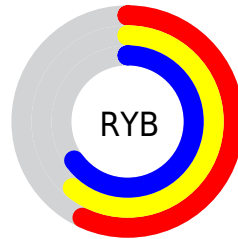
# Distribution



Red (57%)

Green (64%)

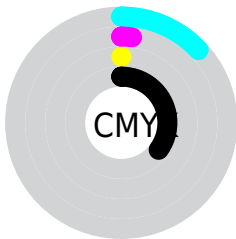
Blue (65%)



Red (57%)

Yellow (61%)

Blue (65%)

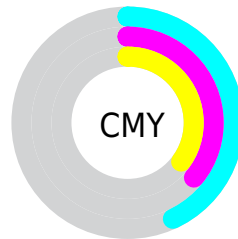


Cyan (13%)

Magenta (2%)

Yellow (0%)

Black (35%)



Cyan (43%)

Magenta (36%)


Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.0954, 0.2938, 0.3229 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 35.0954, 0.2938, 0.3229 by changing the saturation by 10% instead.





 35.0954, 0.2938,  
0.3229


 35.0954, 0.2938,  
0.3229


324.9892, 0.3037,  
0.3262

 23.7364, 0.2912,  
0.3220


 67.6335, 0.2975,  
0.3241

 15.1382, 0.2878,  
0.3208


 89.5814, 0.2988,  
0.3246

 8.9164, 0.2830,  
0.3191


115.8277, 0.3000,  
0.3250

 4.6867, 0.2761,  
0.3166

146.7568, 0.3009,  
0.3253

 2.0646, 0.2650,  
0.3124

182.7531, 0.3018,  
0.3256

 0.6446, 0.2300,  
0.3036

224.2011, 0.3025,

 0.0000, 0.0000,

0.3258

0.0000

271.4849, 0.3031,  
0.3260

■ 35.0954, 0.2938,  
0.3229

■ 35.0954, 0.2938,  
0.3229

■ 32.5514, 0.2791,  
0.3175

■ 37.8949, 0.3088,  
0.3278

■ 30.2486, 0.2651,  
0.3118

■ 40.9547, 0.3240,  
0.3323

■ 28.1779, 0.2521,  
0.3056

■ 44.2851, 0.3390,  
0.3363

■ 26.3278, 0.2403,  
0.2991

■ 47.8944, 0.3538,  
0.3398

■ 24.6859, 0.2301,  
0.2924

■ 51.7906, 0.3681,  
0.3429

■ 23.2382, 0.2216,  
0.2856

■ 55.9813, 0.3819,  
0.3457

■ 21.9688, 0.2150,  
0.2787

■ 58.9341, 0.3883,  
0.3486

■ 20.8587, 0.2102,  
0.2718

■ 60.2954, 0.3872,  
0.3519

■ 20.1048, 0.2074,  
0.2668

■ 61.6872, 0.3860,  
0.3552

# Harmonies

## Analogous

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



35.0954, 0.2985, 0.3320



35.0954, 0.2938, 0.3229



35.0954, 0.2940, 0.3156

# Triad

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



35.0954, 0.2938, 0.3229



35.0954, 0.3182, 0.3180



35.0954, 0.3263, 0.3463

# Complementary

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



35.0954, 0.2938, 0.3229



32.1284, 0.3342, 0.3350

# 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.



35.0954, 0.3317, 0.3421



35.0954, 0.2938, 0.3229



35.0954, 0.3271, 0.3258

# Square

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



35.0954, 0.2938, 0.3229



35.0954, 0.3080, 0.3130



35.0954, 0.3320, 0.3346



35.0954, 0.3172, 0.3457



# Rectangle

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



35.0954, 0.2938, 0.3229



35.0954, 0.2970, 0.3128



35.0954, 0.3320, 0.3346



35.0954, 0.3286, 0.3454

# Sweetspot

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



35.0969, 0.2938, 0.3229



67.0625, 0.3066, 0.3271



35.9581, 0.3080, 0.3552



14.9228, 0.3054, 0.3268



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.



35.0969, 0.2938, 0.3229



61.5604, 0.2898, 0.3215



31.5839, 0.2934, 0.3071



8.2836, 0.2987, 0.3246



15.4480, 0.2076, 0.2674



0.4370, 0.2139, 0.2899



# Inverse Universe

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



31.4313, 0.3180, 0.3044



53.7716, 0.3193, 0.2990



35.5667, 0.3323, 0.3500



7.6415, 0.3165, 0.3109



7.6305, 0.3753, 0.1841



0.1918, 0.3544, 0.1726



# Previews

## White Background



This preview shows how the Yxy color 35.0954, 0.2938, 0.3229 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

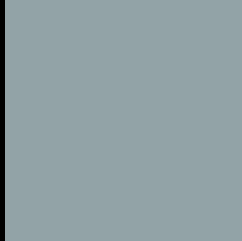
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.0954, 0.2938, 0.3229 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

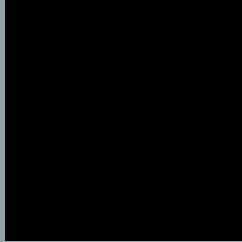
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

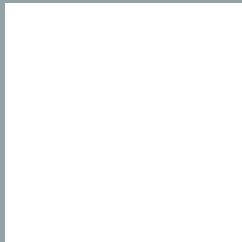
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 35.0954, 0.2938, 0.3229**

## Background



This preview shows how black text looks on a background with the Yxy color 35.0954, 0.2938, 0.3229.



This preview shows how white text looks on a background with the Yxy color 35.0954, 0.2938, 0.3229.

# 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

35.0954, 0.2938, 0.3229

### Protanopia

35.0900, 0.3093, 0.3203

### Deuteranopia

34.9652, 0.3156, 0.3093



## Tritanopia

35.1389, 0.2882, 0.3097

# Trichromacy



## Original Color

35.0954, 0.2938, 0.3229

## Protanomaly

34.9627, 0.3037, 0.3202

## Deuteranomaly

34.9623, 0.3076, 0.3146

## Tritanomaly

35.0223, 0.2906, 0.3141

# Monochromacy



## Original Color

35.0954, 0.2938, 0.3229

## Achromatopsia

34.1914, 0.3127, 0.3290

## Achromatomaly

34.5848, 0.3061, 0.3275

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.0954, 0.2938, 0.3229 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(146, 163, 167)` looks like.

```
.text, #text, p{  
    color:rgb(146, 163, 167)  
}
```

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(146, 163, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 163, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 35.0954, 0.2938, 0.3229 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(146, 163, 167) }
```

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

```
.border{ border-color:rgb(146, 163, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 163, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 163, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 163, 167);  
box-shadow:4px 4px 4px 4px rgb(146, 163,  
167) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.0954, 0.2938, 0.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 163, 167) }
```

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

```
.background{ background-color: rgb(146,  
163, 167) }
```

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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