

Converting Colors

Yxy(33.5722, 0.3007, 0.3159)

Have a look what the booklet for
Yxy(33.5722, 0.3007, 0.3159)
contains.

Yxy(33.6394, 0.3009, 0.3156)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.6394, 0.3009, 0.3156)

Conversions

Conversions Part 1

Format	Color
Hex	999DA6
RGB	153, 157, 166
RGB Percent	60%, 62%, 65%
CMY	0.4001, 0.3843, 0.3490
CMYK	0.08, 0.05, 0.00, 0.35
HSL	221°, 7%, 63%
HSV	221°, 8%, 65%
XYZ	32.0725, 33.6394, 40.8768
YIQ	156.8300, -5.2730, 1.9510

Conversions

Conversions Part 2

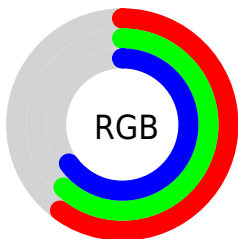
Format	Color
R _Y B	153, 156, 166
Decimal	10067366
CIE Lab	64.68, 0.36, -5.18
CIE LCh	65, 5.196, 273.969
Yxy	33.6394, 0.3009, 0.3156
Android (android.graphics.Color)	4288257446 (0xFF999DA6)
YUV	156.8300, 4.5208, -3.3589
Hunter-Lab	57.9995, -2.7922, -1.1867

Details

The Yxy color **33.6394, 0.3009, 0.3156** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.2315, 0.3246, 0.3421**, and the grayscale version is **33.6165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5728, 0.3030, 0.3188**, and **14.3478, 0.2973, 0.3120** is the 20% darker color. If you saturate the color by 10%, you get **28.4411, 0.2848, 0.2967**, and if you desaturate by 10%, it is **39.4286, 0.3158, 0.3325**.

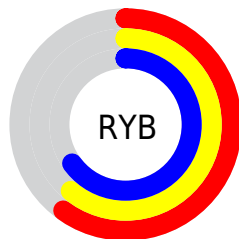
Distribution



Red (60%)

Green (62%)

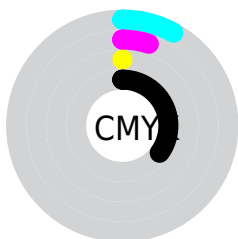
Blue (65%)



Red (60%)

Yellow (61%)

Blue (65%)

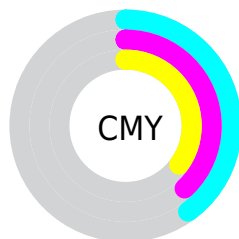


Cyan (8%)

Magenta (5%)

Yellow (0%)

Black (35%)



Cyan (40%)

Magenta (38%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.6394, 0.3009, 0.3156 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 33.6394, 0.3009, 0.3156 by changing the saturation by 10% instead.

■ 33.6394, 0.3009,
0.3156

■ 33.6394, 0.3009,
0.3156

318.5211, 0.3071,
0.3227

■ 22.6167, 0.2992,
0.3137

■ 65.3725, 0.3032,
0.3183

■ 14.3108, 0.2970,
0.3112

■ 86.8517, 0.3041,
0.3192

■ 8.3371, 0.2939,
0.3077

112.5852, 0.3048,
0.3200

■ 4.3114, 0.2894,
0.3026

142.9575, 0.3054,
0.3207

■ 1.8492, 0.2819,
0.2942

178.3528, 0.3059,
0.3213

■ 0.5176, 0.2575,
0.2662

219.1555, 0.3064,

■ 0.0000, 0.0000,

0.3218

0.0000

265.7502, 0.3068,
0.3223

■ 33.6394, 0.3009,
0.3156

■ 33.6394, 0.3009,
0.3156

■ 28.4411, 0.2848,
0.2967

■ 39.4286, 0.3158,
0.3325

■ 23.8101, 0.2678,
0.2756

■ 45.8225, 0.3296,
0.3473

■ 19.7277, 0.2501,
0.2525

■ 52.8400, 0.3421,
0.3604

■ 16.1723, 0.2322,
0.2278

■ 60.4979, 0.3535,
0.3717

■ 13.1211, 0.2147,
0.2021

■ 68.8121, 0.3637,
0.3817

■ 10.5490, 0.1984,
0.1761

■ 77.7982, 0.3730,
0.3903

■ 8.4287, 0.1840,
0.1509

■ 84.6835, 0.3711,
0.4005

■ 6.7298, 0.1724,
0.1277

■ 91.5348, 0.3674,
0.4108

■ 5.4092, 0.1638,
0.1075

■ 95.5330, 0.3655,
0.4162

Harmonies

Analogous

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



33.6394, 0.2973, 0.3191



33.6394, 0.3009, 0.3156



33.6394, 0.3076, 0.3157

Triad

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



33.6394, 0.3009, 0.3156



33.6394, 0.3278, 0.3324



33.6394, 0.3095, 0.3391

Complementary

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



33.6394, 0.3009, 0.3156



36.2315, 0.3246, 0.3421

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.



33.6394, 0.3177, 0.3427



33.6394, 0.3009, 0.3156



33.6394, 0.3283, 0.3387

Square

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



33.6394, 0.3009, 0.3156



33.6394, 0.3232, 0.3253



33.6394, 0.3246, 0.3426



33.6394, 0.3023, 0.3327

Rectangle

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



33.6394, 0.3009, 0.3156



33.6394, 0.3131, 0.3177



33.6394, 0.3246, 0.3426



33.6394, 0.3122, 0.3407

Sweetspot

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



33.6408, 0.3009, 0.3156



67.0269, 0.3097, 0.3256



36.6450, 0.3043, 0.3351



15.0264, 0.3099, 0.3258



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.



33.6408, 0.3009, 0.3156



59.7497, 0.2988, 0.3132



32.5313, 0.3032, 0.3096



7.6660, 0.2986, 0.3130



4.0784, 0.1625, 0.1051



0.1893, 0.1814, 0.1729

Inverse Universe

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



33.3152, 0.3220, 0.3231



59.0819, 0.3237, 0.3221



37.4211, 0.3218, 0.3479



7.5792, 0.3239, 0.3220



6.4828, 0.5683, 0.2904



0.1668, 0.4771, 0.2402

Previews

White Background



This preview shows how the Yxy color 33.6394, 0.3009, 0.3156 looks on a white background.

Color Contrast Check

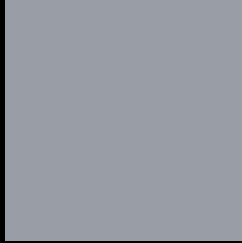
Large Text (above 18pt) WCAG AA × Fail

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 33.6394, 0.3009, 0.3156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

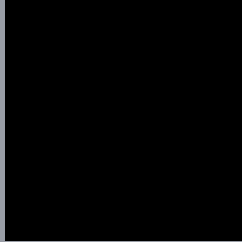
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

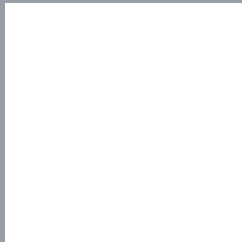
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.6394, 0.3009, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 33.6394, 0.3009, 0.3156.

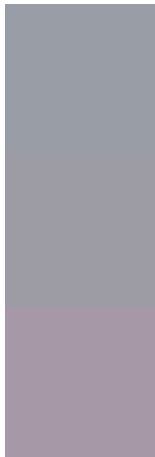


This preview shows how white text looks on a background with the Yxy color 33.6394, 0.3009, 0.3156.

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

33.6394, 0.3009, 0.3156

Protanopia

33.6616, 0.3056, 0.3157

Deuteranopia

33.4620, 0.3137, 0.3075



Tritanopia

33.7508, 0.2983, 0.3112

Trichromacy



Original Color

33.6394, 0.3009, 0.3156

Protanomaly

33.5615, 0.3046, 0.3157

Deuteranomaly

33.5826, 0.3087, 0.3101

Tritanomaly

33.7134, 0.2992, 0.3127

Monochromacy



Original Color

33.6394, 0.3009, 0.3156

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.7199, 0.3091, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6394, 0.3009, 0.3156 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(153, 157, 166)` looks like.

```
.text, #text, p{  
    color:rgb(153, 157, 166)  
}
```

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(153, 157, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 157, 166) }
```

Border

The CSS property to change the border of an element to Yxy 33.6394, 0.3009, 0.3156 is called "border". The border property can be set on classes, ids or directly on the HTML element.

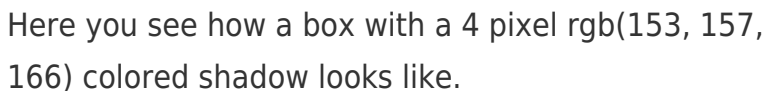
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 157, 166) }
```

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

```
.border{ border-color:rgb(153, 157, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 157, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 157, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 157, 166); box-shadow:4px 4px 4px 4px rgb(153, 157, 166) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6394, 0.3009, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 157, 166) }
```

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

```
.background{ background-color: rgb(153,  
157, 166) }
```

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