

Converting Colors

$Y_{xy}(35.9228, 0.2917, 0.3008)$

Have a look what the booklet for
Yxy(35.9228, 0.2917, 0.3008)
contains.

Yxy(35.8939, 0.2912, 0.3004)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.8939, 0.2912, 0.3004)

Conversions

Conversions Part 1

Format	Color
Hex	9CA1B5
RGB	156, 161, 181
RGB Percent	61%, 63%, 71%
CMY	0.3882, 0.3686, 0.2903
CMYK	0.14, 0.11, 0.00, 0.29
HSL	228°, 14%, 66%
HSV	228°, 14%, 71%
XYZ	34.7946, 35.8939, 48.7985
YIQ	161.7850, -9.4000, 5.1600

Conversions

Conversions Part 2

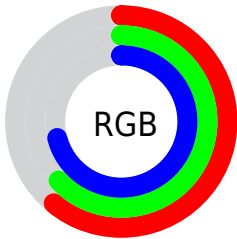
Format	Color
R_{YB}	156, 160, 181
Decimal	10265013
CIE Lab	66.44, 2.34, -10.92
CIE LCh	66, 11.166, 282.098
Yxy	35.8939, 0.2912, 0.3004
Android (android.graphics.Color)	4288455093 (0xFF9CA1B5)
YUV	161.7850, 9.4730, -5.0734
Hunter-Lab	59.9115, -1.1783, -6.3542

Details

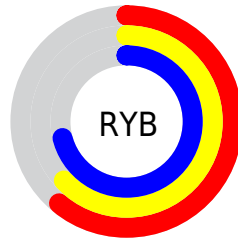
The Yxy color **35.8939, 0.2912, 0.3004** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.2649, 0.3339, 0.3561**, and the grayscale version is **35.9844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0750, 0.2955, 0.3060**, and **15.7136, 0.2851, 0.2928** is the 20% darker color. If you saturate the color by 10%, you get **29.4521, 0.2739, 0.2766**, and if you desaturate by 10%, it is **43.1934, 0.3071, 0.3216**.

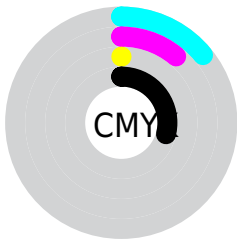
Distribution



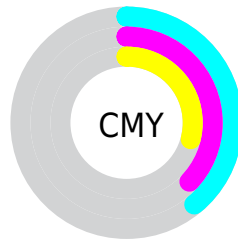
- Red (61%)
- Green (63%)
- Blue (71%)



- Red (61%)
- Yellow (63%)
- Blue (71%)



- Cyan (14%)
- Magenta (11%)
- Yellow (0%)
- Black (29%)



- Cyan (39%)
- Magenta (37%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8939, 0.2912, 0.3004 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 35.8939, 0.2912, 0.3004 by changing the saturation by 10% instead.

■ 35.8939, 0.2912,
0.3004

■ 35.8939, 0.2912,
0.3004

■ 328.4966, 0.3024,
0.3152

■ 24.3523, 0.2882,
0.2966

■ 68.8683, 0.2954,
0.3059

■ 15.5951, 0.2844,
0.2915

■ 91.0698, 0.2969,
0.3079

■ 9.2381, 0.2790,
0.2846

■ 117.5934, 0.2982,
0.3096

■ 4.8968, 0.2713,
0.2747

■ 148.8235, 0.2993,
0.3111

■ 2.1869, 0.2589,
0.2592

■ 185.1445, 0.3002,
0.3123

■ 0.7128, 0.2363,
0.2293

■ 226.9407, 0.3011,

■ 0.0000, 0.0000,

0.3134

0.0000

274.5966, 0.3018,
0.3143

■ 35.8939, 0.2912,
0.3004

■ 35.8939, 0.2912,
0.3004

■ 29.4521, 0.2739,
0.2766

■ 43.1934, 0.3071,
0.3216

■ 23.8319, 0.2555,
0.2504

■ 51.3763, 0.3215,
0.3403

■ 19.0010, 0.2364,
0.2222

■ 60.4726, 0.3344,
0.3566

■ 14.9232, 0.2172,
0.1927

■ 70.5095, 0.3459,
0.3709

■ 11.5596, 0.1989,
0.1632

■ 81.5133, 0.3562,
0.3832

■ 8.8674, 0.1826,
0.1351

■ 91.6436, 0.3586,
0.3954

■ 6.7990, 0.1694,
0.1102

■ 96.1153, 0.3567,
0.4018

■ 5.3000, 0.1599,
0.0899

■ 4.6105, 0.1555,
0.0799

Harmonies

Analogous

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



35.8939, 0.2819, 0.3054



35.8939, 0.2912, 0.3004



35.8939, 0.3064, 0.3028

Triad

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



35.8939, 0.2912, 0.3004



35.8939, 0.3459, 0.3396



35.8939, 0.3013, 0.3473

Complementary

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



35.8939, 0.2912, 0.3004



43.2649, 0.3339, 0.3561

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.



35.8939, 0.3183, 0.3570



35.8939, 0.2912, 0.3004



35.8939, 0.3444, 0.3520

Square

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



35.8939, 0.2912, 0.3004



35.8939, 0.3383, 0.3250



35.8939, 0.3342, 0.3586



35.8939, 0.2876, 0.3323

Rectangle

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



35.8939, 0.2912, 0.3004



35.8939, 0.3180, 0.3081



35.8939, 0.3342, 0.3586



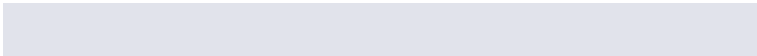
35.8939, 0.3068, 0.3513

Sweetspot

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



35.8954, 0.2912, 0.3004



77.0070, 0.3067, 0.3211



43.2253, 0.2961, 0.3365



16.4224, 0.3055, 0.3196



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



35.8954, 0.2912, 0.3004



60.1100, 0.2853, 0.2924



34.9098, 0.2975, 0.2938



8.4965, 0.2985, 0.3102



3.2602, 0.1560, 0.0817



0.1832, 0.1699, 0.1317

Inverse Universe

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



36.1739, 0.3329, 0.3222



60.7956, 0.3389, 0.3204



44.4273, 0.3267, 0.3632



8.5322, 0.3257, 0.3245



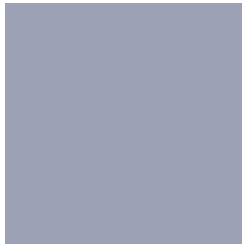
6.8693, 0.6043, 0.3103



0.2243, 0.5303, 0.2695

Previews

White Background



This preview shows how the Yxy color 35.8939, 0.2912, 0.3004 looks on a white background.

Color Contrast Check

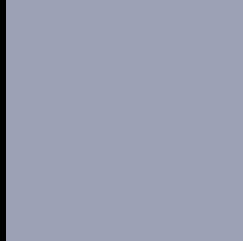
Large Text (above 18pt) WCAG AA × Fail

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 35.8939, 0.2912, 0.3004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

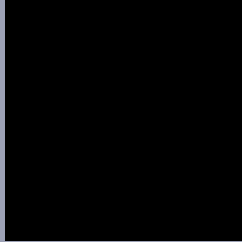
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

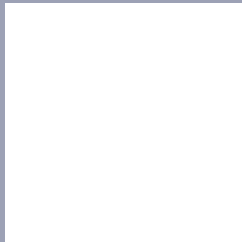
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.8939, 0.2912, 0.3004

Background



This preview shows how black text looks on a background with the Yxy color 35.8939, 0.2912, 0.3004.



This preview shows how white text looks on a background with the Yxy color 35.8939, 0.2912, 0.3004.

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

35.8939, 0.2912, 0.3004

Protanopia

35.8487, 0.2938, 0.2991

Deuteranopia

35.8162, 0.3011, 0.2943



Tritanopia

35.9044, 0.2952, 0.3101

Trichromacy



Original Color

35.8939, 0.2912, 0.3004

Protanomaly

35.7469, 0.2929, 0.2991

Deuteranomaly

35.7236, 0.2975, 0.2953

Tritanomaly

35.9835, 0.2936, 0.3073

Monochromacy



Original Color

35.8939, 0.2912, 0.3004

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.1788, 0.3048, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8939, 0.2912, 0.3004 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(156, 161, 181)` looks like.

```
.text, #text, p{  
    color:rgb(156, 161, 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(156, 161, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 161, 181) }
```

Border

The CSS property to change the border of an element to Yxy 35.8939, 0.2912, 0.3004 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(156, 161, 181) }
```

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

```
.border{ border-color:rgb(156, 161, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 161, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 161, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 161, 181);  
box-shadow:4px 4px 4px 4px rgb(156, 161,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8939, 0.2912, 0.3004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 161, 181) }
```

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

```
.background{ background-color: rgb(156,  
161, 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