

Converting Colors

$Yxy(42.9074, 0.2942, 0.3100)$

Have a look what the booklet for
Yxy(42.9074, 0.2942, 0.3100)
contains.

Yxy(42.9839, 0.2940, 0.3101)	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(42.9839, 0.2940, 0.3101)

Conversions

Conversions Part 1

Format	Color
Hex	A7B0BE
RGB	167, 176, 190
RGB Percent	65%, 69%, 75%
CMY	0.3452, 0.3098, 0.2548
CMYK	0.12, 0.07, 0.00, 0.25
HSL	216°, 15%, 70%
HSV	216°, 12%, 75%
XYZ	40.7522, 42.9839, 54.8769
YIQ	174.9050, -9.8580, 2.4460

Conversions

Conversions Part 2

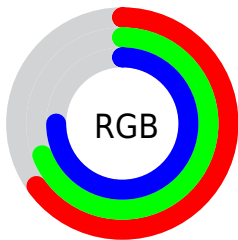
Format	Color
RYB	167, 173, 190
Decimal	10989758
CIELab	71.54, -0.32, -8.22
CIELCh	72, 8.230, 267.797
Yxy	42.9839, 0.2940, 0.3101
Android (android.graphics.Color)	4289179838 (0xFFA7B0BE)
YUV	174.9050, 7.4418, -6.9327
Hunter-Lab	65.5621, -3.7813, -3.7335

Details

The Yxy color **42.9839, 0.2940, 0.3101** is a light color, and the websafe version is hex **999999**. A complement of this color would be **46.7775, 0.3320, 0.3472**, and the grayscale version is **42.7815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8966, 0.2975, 0.3144**, and **19.8663, 0.2884, 0.3048** is the 20% darker color. If you saturate the color by 10%, you get **36.7286, 0.2776, 0.2925**, and if you desaturate by 10%, it is **49.9321, 0.3095, 0.3259**.

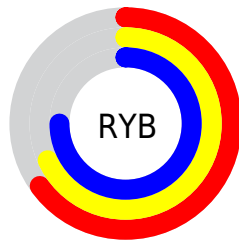
Distribution



Red (65%)

Green (69%)

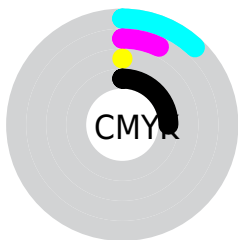
Blue (75%)



Red (65%)

Yellow (68%)

Blue (75%)

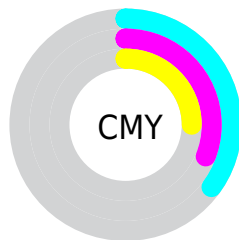


Cyan (12%)

Magenta (7%)

Yellow (0%)

Black (25%)



Cyan (35%)

Magenta (31%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.9839, 0.2940, 0.3101 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 42.9839, 0.2940, 0.3101 by changing the saturation by 10% instead.

■ 42.9839, 0.2940,
0.3101

■ 42.9839, 0.2940,
0.3101

■ 358.5456, 0.3035,
0.3197

■ 29.8725, 0.2916,
0.3077

■ 79.6866, 0.2975,
0.3136

■ 19.7418, 0.2885,
0.3045

■ 104.0466, 0.2988,
0.3149

■ 12.2075, 0.2844,
0.3003

■ 132.9250, 0.2998,
0.3160

■ 6.8852, 0.2785,
0.2944

■ 166.7061, 0.3008,
0.3170

■ 3.3904, 0.2697,
0.2854

■ 205.7743, 0.3016,
0.3178

■ 1.3388, 0.2548,
0.2702

■ 250.5140, 0.3023,

■ 0.1709, 0.1424,

0.3185

0.1573

301.3096, 0.3029,
0.3191

0.0000, 0.0000,
0.0000

42.9839, 0.2940,
0.3101

42.9839, 0.2940,
0.3101

36.7286, 0.2776,
0.2925

49.9321, 0.3095,
0.3259

31.1381, 0.2606,
0.2731

57.5894, 0.3241,
0.3399

26.1901, 0.2434,
0.2520

65.9782, 0.3375,
0.3522

21.8587, 0.2264,
0.2295

75.1182, 0.3500,
0.3630

18.1165, 0.2103,
0.2062

83.6810, 0.3563,
0.3732

■ 14.9330, 0.1958,
0.1828

■ 90.4624, 0.3536,
0.3841

■ 12.2749, 0.1834,
0.1600

■ 96.4987, 0.3514,
0.3929

■ 10.1037, 0.1737,
0.1389

■ 8.6902, 0.1677,
0.1237

Harmonies

Analogous

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



42.9839, 0.2900, 0.3160



42.9839, 0.2940, 0.3101



42.9839, 0.3030, 0.3092

Triad

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



42.9839, 0.2940, 0.3101



42.9839, 0.3339, 0.3317



42.9839, 0.3104, 0.3454

Complementary

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



42.9839, 0.2940, 0.3101



46.7775, 0.3320, 0.3472

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.



42.9839, 0.3222, 0.3496



42.9839, 0.2940, 0.3101



42.9839, 0.3360, 0.3414

Square

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



42.9839, 0.2940, 0.3101



42.9839, 0.3261, 0.3216



42.9839, 0.3316, 0.3480



42.9839, 0.2994, 0.3365

Rectangle

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



42.9839, 0.2940, 0.3101



42.9839, 0.3107, 0.3115



42.9839, 0.3316, 0.3480



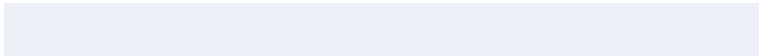
42.9839, 0.3144, 0.3474

Sweetspot

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



42.9857, 0.2940, 0.3101



87.9308, 0.3066, 0.3230



48.3769, 0.3010, 0.3413



19.0924, 0.3054, 0.3218



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



42.9857, 0.2940, 0.3101



74.2194, 0.2890, 0.3048



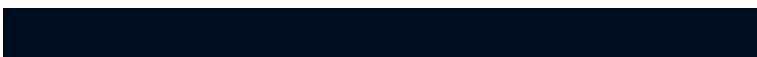
39.8085, 0.2957, 0.2978



9.8229, 0.2984, 0.3147



5.9202, 0.1684, 0.1261



0.3599, 0.1821, 0.1754

Inverse Universe

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



41.7100, 0.3262, 0.3173



71.4789, 0.3303, 0.3141



50.2814, 0.3286, 0.3587



9.5967, 0.3228, 0.3200



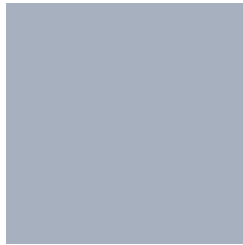
7.6273, 0.5380, 0.2738



0.3117, 0.4741, 0.2385

Previews

White Background



This preview shows how the Yxy color 42.9839, 0.2940, 0.3101 looks on a white background.

Color Contrast Check

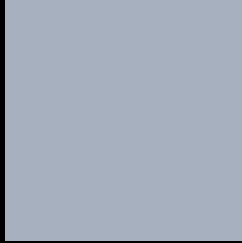
Large Text (above 18pt) WCAG AA × Fail

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 42.9839, 0.2940, 0.3101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

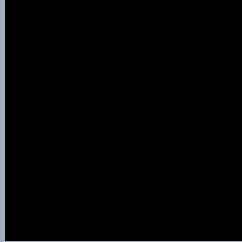
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

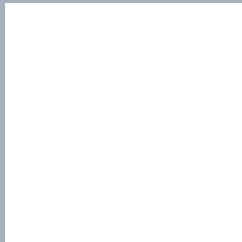
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.9839, 0.2940, 0.3101

Background



This preview shows how black text looks on a background with the Yxy color 42.9839, 0.2940, 0.3101.

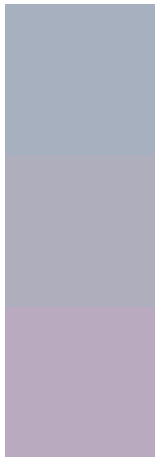


This preview shows how white text looks on a background with the Yxy color 42.9839, 0.2940, 0.3101.

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

42.9839, 0.2940, 0.3101

Protanopia

42.9449, 0.3007, 0.3091

Deuteranopia

42.8253, 0.3087, 0.3019



Tritanopia

42.9839, 0.2940, 0.3101

Trichromacy



Original Color

42.9839, 0.2940, 0.3101

Protanomaly

42.9920, 0.2981, 0.3103

Deuteranomaly

42.7316, 0.3025, 0.3040

Tritanomaly

42.9839, 0.2940, 0.3101

Monochromacy



Original Color

42.9839, 0.2940, 0.3101

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.7259, 0.3061, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9839, 0.2940, 0.3101 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(167, 176, 190)` looks like.

```
.text, #text, p{  
    color:rgb(167, 176, 190)  
}
```

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(167, 176, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 176, 190) }
```

Border

The CSS property to change the border of an element to Yxy 42.9839, 0.2940, 0.3101 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(167, 176, 190) }
```

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

```
.border{ border-color:rgb(167, 176, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 176, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 176, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 176, 190);  
box-shadow:4px 4px 4px 4px rgb(167, 176,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9839, 0.2940, 0.3101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 176, 190) }
```

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

```
.background{ background-color: rgb(167,  
176, 190) }
```

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