

Converting Colors

$Y_{xy}(38.2993, 0.2932, 0.2953)$

Have a look what the booklet for
Yxy(38.2993, 0.2932, 0.2953)
contains.

Yxy(38.2244, 0.2928, 0.2947)	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(38.2244, 0.2928, 0.2947)

Conversions

Conversions Part 1

Format	Color
Hex	A5A4BD
RGB	165, 164, 189
RGB Percent	65%, 64%, 74%
CMY	0.3529, 0.3569, 0.2589
CMYK	0.13, 0.13, 0.00, 0.26
HSL	242°, 16%, 69%
HSV	242°, 13%, 74%
XYZ	37.9780, 38.2244, 53.5038
YIQ	167.1490, -7.4290, 7.9870

Conversions

Conversions Part 2

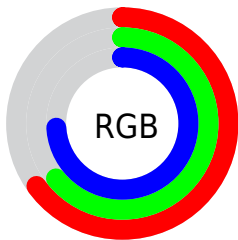
Format	Color
RYB	165, 164, 189
Decimal	10855613
CIELab	68.19, 5.40, -12.68
CIELCh	68, 13.779, 293.082
Yxy	38.2244, 0.2928, 0.2947
Android (android.graphics.Color)	4289045693 (0xFFA5A4BD)
YUV	167.1490, 10.7725, -1.8847
Hunter-Lab	61.8259, 1.4524, -8.0311

Details

The Yxy color **38.2244, 0.2928, 0.2947** is a light color, and the websafe version is hex **999999**. A complement of this color would be **49.7491, 0.3313, 0.3613**, and the grayscale version is **38.6706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4713, 0.2967, 0.3014**, and **16.8766, 0.2862, 0.2833** is the 20% darker color. If you saturate the color by 10%, you get **30.1488, 0.2754, 0.2650**, and if you desaturate by 10%, it is **47.5837, 0.3082, 0.3212**.

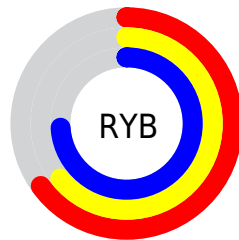
Distribution



Red (65%)

Green (64%)

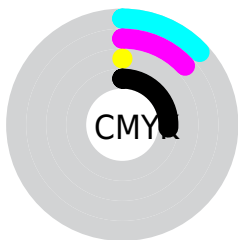
Blue (74%)



Red (65%)

Yellow (64%)

Blue (74%)

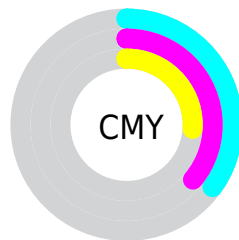


Cyan (13%)

Magenta (13%)

Yellow (0%)

Black (26%)



Cyan (35%)

Magenta (36%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.2244, 0.2928, 0.2947 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 38.2244, 0.2928, 0.2947 by changing the saturation by 10% instead.

■ 38.2244, 0.2928,
0.2947

■ 38.2244, 0.2928,
0.2947

■ 338.5816, 0.3031,
0.3121

■ 26.1569, 0.2901,
0.2903

■ 72.4520, 0.2966,
0.3011

■ 16.9411, 0.2866,
0.2845

■ 95.3808, 0.2981,
0.3035

■ 10.1925, 0.2818,
0.2768

■ 122.6989, 0.2992,
0.3055

■ 5.5268, 0.2748,
0.2659

■ 154.7906, 0.3002,
0.3072

■ 2.5595, 0.2639,
0.2492

■ 192.0403, 0.3011,
0.3087

■ 0.9064, 0.2447,
0.2212

■ 234.8325, 0.3019,

■ 0.0000, 0.0000,

0.3100

0.0000

283.5514, 0.3025,
0.3111

■ 38.2244, 0.2928,
0.2947

■ 38.2244, 0.2928,
0.2947

■ 30.1488, 0.2754,
0.2650

■ 47.5837, 0.3082,
0.3212

■ 23.2965, 0.2562,
0.2324

■ 58.2741, 0.3216,
0.3444

■ 17.6092, 0.2357,
0.1978

■ 70.3467, 0.3332,
0.3646

■ 13.0220, 0.2148,
0.1629

■ 83.8483, 0.3431,
0.3820

■ 9.4640, 0.1948,
0.1299

■ 96.4529, 0.3520,
0.3939

■ 6.8555, 0.1773,
0.1013

■ 5.1055, 0.1636,
0.0796

■ 4.1050, 0.1547,
0.0661

■ 3.7226, 0.1512,
0.0607

Harmonies

Analogous

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



38.2244, 0.2787, 0.2973



38.2244, 0.2928, 0.2947



38.2244, 0.3126, 0.3007

Triad

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



38.2244, 0.2928, 0.2947



38.2244, 0.3536, 0.3477



38.2244, 0.2922, 0.3450

Complementary

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



38.2244, 0.2928, 0.2947



49.7491, 0.3313, 0.3613

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.



38.2244, 0.3117, 0.3598



38.2244, 0.2928, 0.2947



38.2244, 0.3475, 0.3607

Square

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



38.2244, 0.2928, 0.2947



38.2244, 0.3483, 0.3305



38.2244, 0.3321, 0.3654



38.2244, 0.2783, 0.3258

Rectangle

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



38.2244, 0.2928, 0.2947



38.2244, 0.3266, 0.3087



38.2244, 0.3321, 0.3654



38.2244, 0.2983, 0.3507

Sweetspot

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



38.2260, 0.2928, 0.2947



83.7331, 0.3070, 0.3191



47.5917, 0.2928, 0.3278



17.7199, 0.3059, 0.3172



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



38.2260, 0.2928, 0.2947



63.8441, 0.2877, 0.2860



39.6093, 0.3037, 0.2958



9.2434, 0.2990, 0.3053



2.5136, 0.1515, 0.0608



0.1049, 0.1573, 0.0640

Inverse Universe

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



40.9958, 0.3151, 0.2981



69.8256, 0.3157, 0.2909



48.2533, 0.3208, 0.3624



9.6894, 0.3144, 0.3073



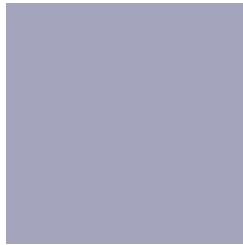
9.5352, 0.3312, 0.1598



0.3756, 0.3286, 0.1584

Previews

White Background



This preview shows how the Yxy color 38.2244, 0.2928, 0.2947 looks on a white background.

Color Contrast Check

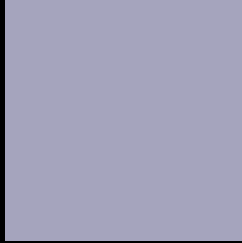
Large Text (above 18pt) WCAG AA × Fail

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 38.2244, 0.2928, 0.2947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

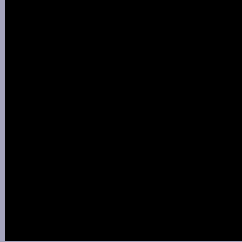
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2244, 0.2928, 0.2947

Background



This preview shows how black text looks on a background with the Yxy color 38.2244, 0.2928, 0.2947.



This preview shows how white text looks on a background with the Yxy color 38.2244, 0.2928, 0.2947.

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

38.2244, 0.2928, 0.2947

Protanopia

38.3094, 0.2894, 0.2945

Deuteranopia

38.1727, 0.2980, 0.2924



Tritanopia

38.3136, 0.2991, 0.3108

Trichromacy



Original Color

38.2244, 0.2928, 0.2947

Protanomaly

38.4145, 0.2903, 0.2946

Deuteranomaly

38.3035, 0.2962, 0.2936

Tritanomaly

38.2217, 0.2967, 0.3040

Monochromacy



Original Color

38.2244, 0.2928, 0.2947

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.4746, 0.3051, 0.3164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2244, 0.2928, 0.2947 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(165, 164, 189)` looks like.

```
.text, #text, p{  
    color:rgb(165, 164, 189)  
}
```

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(165, 164, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 164, 189) }
```

Border

The CSS property to change the border of an element to Yxy 38.2244, 0.2928, 0.2947 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(165, 164, 189) }
```

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

```
.border{ border-color:rgb(165, 164, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 164, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 164, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 164, 189);  
box-shadow:4px 4px 4px 4px rgb(165, 164,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2244, 0.2928, 0.2947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 164, 189) }
```

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

```
.background{ background-color: rgb(165,  
164, 189) }
```

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