

Converting Colors

$Y_{xy}(39.3649, 0.2882, 0.2885)$

Have a look what the booklet for
Yxy(39.3649, 0.2882, 0.2885)
contains.

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Color

Yxy(39.3649, 0.2882, 0.2885)

Conversions

Conversions Part 1

Format	Color
Hex	A6A6C4
RGB	166, 166, 196
RGB Percent	65%, 65%, 77%
CMY	0.3491, 0.3490, 0.2313
CMYK	0.15, 0.15, 0.00, 0.23
HSL	240°, 20%, 71%
HSV	240°, 15%, 77%
XYZ	39.3240, 39.3649, 57.7579
YIQ	169.4200, -9.6300, 9.3300

Conversions

Conversions Part 2

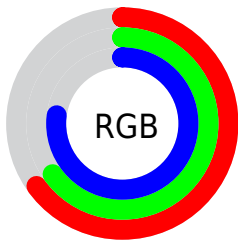
Format	Color
RYB	166, 166, 196
Decimal	10921668
CIELab	69.01, 6.13, -15.32
CIELCh	69, 16.503, 291.799
Yxy	39.3649, 0.2882, 0.2885
Android (android.graphics.Color)	4289111748 (0xFFA6A6C4)
YUV	169.4200, 13.1039, -2.9993
Hunter-Lab	62.7415, 2.0795, -10.6616

Details

The Yxy color **39.3649, 0.2882, 0.2885** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.9646, 0.3354, 0.3665**, and the grayscale version is **39.8322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1769, 0.2925, 0.2956**, and **17.5650, 0.2812, 0.2769** is the 20% darker color. If you saturate the color by 10%, you get **30.8207, 0.2696, 0.2578**, and if you desaturate by 10%, it is **49.3195, 0.3048, 0.3158**.

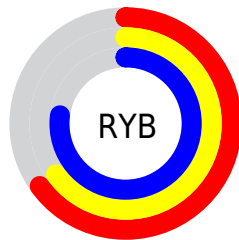
Distribution



Red (65%)

Green (65%)

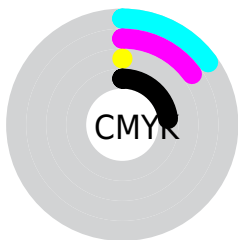
Blue (77%)



Red (65%)

Yellow (65%)

Blue (77%)

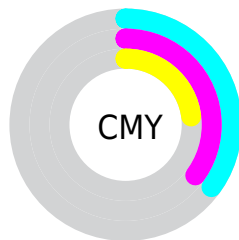


Cyan (15%)

Magenta (15%)

Yellow (0%)

Black (23%)



Cyan (35%)


Magenta (35%)


Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.3649, 0.2882, 0.2885 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 39.3649, 0.2882, 0.2885 by changing the saturation by 10% instead.


 39.3649, 0.2882,
0.2885


 39.3649, 0.2882,
0.2885

343.4394, 0.3008,
0.3089

 27.0437, 0.2849,
0.2834


 74.1954, 0.2929,
0.2960

 17.6061, 0.2807,
0.2768


 97.4736, 0.2946,
0.2987

 10.6675, 0.2749,
0.2679


125.1728, 0.2961,
0.3011

 5.8437, 0.2667,
0.2556

157.6775, 0.2973,
0.3031

 2.7503, 0.2540,
0.2371

195.3722, 0.2984,
0.3049

 1.0028, 0.2322,
0.2069

238.6411, 0.2993,

 0.0000, 0.0460,

0.3064

0.0000

287.8687, 0.3001,
0.3077

0.0000, 0.0000,
0.0000

39.3649, 0.2882,
0.2885

39.3649, 0.2882,
0.2885

30.8207, 0.2696,
0.2578

49.3195, 0.3048,
0.3158

23.6185, 0.2494,
0.2243

60.7389, 0.3192,
0.3398

17.6916, 0.2281,
0.1891

73.6808, 0.3318,
0.3605

12.9657, 0.2068,
0.1540

88.1983, 0.3426,
0.3784

9.3588, 0.1871,
0.1215

96.7662, 0.3478,
0.3870

■ 6.7788, 0.1707,
0.0942

■ 5.1187, 0.1588,
0.0745

■ 4.2479, 0.1521,
0.0635

■ 3.9899, 0.1500,
0.0601

Harmonies

Analogous

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



39.3649, 0.2720, 0.2918



39.3649, 0.2882, 0.2885



39.3649, 0.3114, 0.2952

Triad

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



39.3649, 0.2882, 0.2885



39.3649, 0.3613, 0.3500



39.3649, 0.2892, 0.3489

Complementary

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



39.3649, 0.2882, 0.2885



53.9646, 0.3354, 0.3665

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.



39.3649, 0.3125, 0.3663



39.3649, 0.2882, 0.2885



39.3649, 0.3545, 0.3659

Square

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



39.3649, 0.2882, 0.2885



39.3649, 0.3544, 0.3297



39.3649, 0.3365, 0.3724



39.3649, 0.2726, 0.3260

Rectangle

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



39.3649, 0.2882, 0.2885



39.3649, 0.3280, 0.3044



39.3649, 0.3365, 0.3724



39.3649, 0.2965, 0.3557

Sweetspot

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



39.3665, 0.2882, 0.2885



89.8013, 0.3051, 0.3165



51.5547, 0.2901, 0.3296



18.9262, 0.3040, 0.3146



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



39.3665, 0.2882, 0.2885



66.4594, 0.2829, 0.2798



41.0151, 0.3007, 0.2899



9.7494, 0.2983, 0.3052



2.5639, 0.1500, 0.0601



0.1113, 0.1501, 0.0603

Inverse Universe

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



41.7570, 0.3411, 0.3291



71.5204, 0.3478, 0.3291



52.1229, 0.3233, 0.3680



10.0780, 0.3289, 0.3290



7.5411, 0.6400, 0.3299



0.3259, 0.6396, 0.3297

Previews

White Background



This preview shows how the Yxy color 39.3649, 0.2882, 0.2885 looks on a white background.

Color Contrast Check

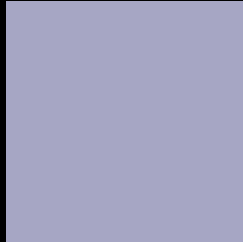
Large Text (above 18pt) WCAG AA × Fail

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 39.3649, 0.2882, 0.2885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

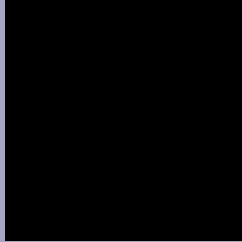
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

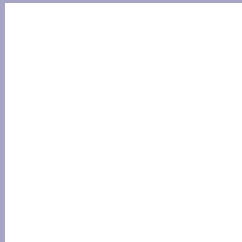
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.3649, 0.2882, 0.2885

Background



This preview shows how black text looks on a background with the Yxy color 39.3649, 0.2882, 0.2885.



This preview shows how white text looks on a background with the Yxy color 39.3649, 0.2882, 0.2885.

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

39.3649, 0.2882, 0.2885

Protanopia

39.4552, 0.2850, 0.2883

Deuteranopia

39.1944, 0.2924, 0.2863



Tritanopia

39.1692, 0.2967, 0.3095

Trichromacy



Original Color

39.3649, 0.2882, 0.2885

Protanomaly

39.5612, 0.2858, 0.2884

Deuteranomaly

39.3308, 0.2907, 0.2874

Tritanomaly

39.1178, 0.2936, 0.3014

Monochromacy



Original Color

39.3649, 0.2882, 0.2885

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.5848, 0.3035, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3649, 0.2882, 0.2885 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(166, 166, 196)` looks like.

```
.text, #text, p{  
    color:rgb(166, 166, 196)  
}
```

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(166, 166, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 166, 196) }
```

Border

The CSS property to change the border of an element to Yxy 39.3649, 0.2882, 0.2885 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(166, 166, 196) }
```

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

```
.border{ border-color:rgb(166, 166, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 166, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 166, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 166, 196);  
box-shadow:4px 4px 4px 4px rgb(166, 166,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3649, 0.2882, 0.2885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 166, 196) }
```

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

```
.background{ background-color: rgb(166,  
166, 196) }
```

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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