

Converting Colors

$Yxy(39.4062, 0.2768, 0.2709)$

Have a look what the booklet for
Yxy(39.4062, 0.2768, 0.2709)
contains.

Yxy(39.4062, 0.2768, 0.2709)	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(39.4062, 0.2768, 0.2709)

Conversions

Conversions Part 1

Format	Color
Hex	A4A5D1
RGB	164, 165, 209
RGB Percent	64%, 65%, 82%
CMY	0.3570, 0.3529, 0.1805
CMYK	0.22, 0.21, 0.00, 0.18
HSL	239°, 33%, 73%
HSV	239°, 22%, 82%
XYZ	40.2644, 39.4062, 65.7934
YIQ	169.7170, -14.7200, 13.4720

Conversions

Conversions Part 2

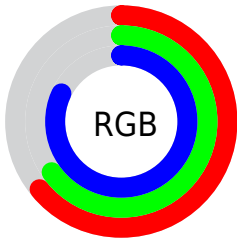
Format	Color
RYB	164, 165, 209
Decimal	10790353
CIELab	69.04, 8.95, -22.46
CIELCh	69, 24.173, 291.724
Yxy	39.4062, 0.2768, 0.2709
Android (android.graphics.Color)	4288980433 (0xFFA4A5D1)
YUV	169.7170, 19.3665, -5.0138
Hunter-Lab	62.7744, 4.6375, -18.1994

Details

The Yxy color **39.4062, 0.2768, 0.2709** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.3026, 0.3452, 0.3812**, and the grayscale version is **39.9551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4665, 0.2900, 0.2924**, and **17.5229, 0.2659, 0.2547** is the 20% darker color. If you saturate the color by 10%, you get **30.5810, 0.2572, 0.2390**, and if you desaturate by 10%, it is **49.7741, 0.2946, 0.2998**.

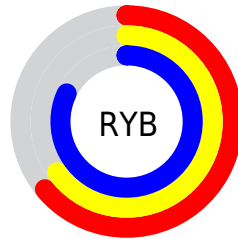
Distribution



Red (64%)

Green (65%)

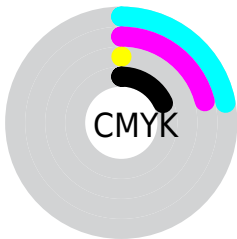
Blue (82%)



Red (64%)

Yellow (65%)

Blue (82%)

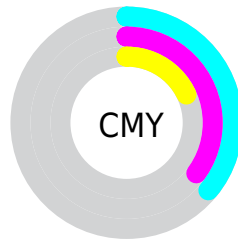


Cyan (22%)

Magenta (21%)

Yellow (0%)

Black (18%)



Cyan (36%)

Magenta (35%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.4062, 0.2768, 0.2709 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 39.4062, 0.2768, 0.2709 by changing the saturation by 10% instead.

■ 39.4062, 0.2768,
0.2709

■ 39.4062, 0.2768,
0.2709

■ 343.6144, 0.2952,
0.2998

■ 27.0759, 0.2721,
0.2638

■ 74.2584, 0.2836,
0.2814

■ 17.6302, 0.2660,
0.2546

■ 97.5491, 0.2861,
0.2853

■ 10.6848, 0.2577,
0.2427

■ 125.2621, 0.2883,
0.2887

■ 5.8553, 0.2461,
0.2262

■ 157.7817, 0.2901,
0.2915

■ 2.7573, 0.2287,
0.2024

■ 195.4923, 0.2916,
0.2940

■ 1.0064, 0.2001,
0.1658

■ 238.7784, 0.2930,


■ 0.0000, 0.0710,


0.2962


0.0000


288.0243, 0.2942,
0.2981


 0.0000, 0.0000,
0.0000

 39.4062, 0.2768,
0.2709


 39.4062, 0.2768,
0.2709


 30.5810, 0.2572,
0.2390


 49.7741, 0.2946,
0.2998


 23.2204, 0.2363,
0.2048


 61.7485, 0.3104,
0.3253

 17.2465, 0.2150,
0.1698

 75.3952, 0.3243,
0.3476

 12.5725, 0.1946,
0.1362

 90.7751, 0.3363,
0.3669

 9.1018, 0.1768,
0.1065

 97.3826, 0.3400,
0.3741

■ 6.7241, 0.1630,
0.0832

■ 5.3092, 0.1543,
0.0680

■ 4.7099, 0.1504,
0.0613

Harmonies

Analogous

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



39.4062, 0.2540, 0.2749



39.4062, 0.2768, 0.2709



39.4062, 0.3103, 0.2806

Triad

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



39.4062, 0.2768, 0.2709



39.4062, 0.3841, 0.3584



39.4062, 0.2783, 0.3585

Complementary

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



39.4062, 0.2768, 0.2709



61.3026, 0.3452, 0.3812

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.



39.4062, 0.3119, 0.3848



39.4062, 0.2768, 0.2709



39.4062, 0.3738, 0.3823

Square

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



39.4062, 0.2768, 0.2709



39.4062, 0.3740, 0.3292



39.4062, 0.3469, 0.3931



39.4062, 0.2547, 0.3240

Rectangle

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



39.4062, 0.2768, 0.2709



39.4062, 0.3347, 0.2935



39.4062, 0.3469, 0.3931



39.4062, 0.2887, 0.3688

Sweetspot

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



39.4078, 0.2768, 0.2709



88.0495, 0.3035, 0.3142



58.0085, 0.2818, 0.3308



18.5801, 0.3025, 0.3125



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.



39.4078, 0.2768, 0.2709



54.9439, 0.2677, 0.2561



41.4476, 0.2942, 0.2724



11.4618, 0.2982, 0.3055



2.9248, 0.1505, 0.0616



0.1797, 0.1520, 0.0670

Inverse Universe

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



42.8048, 0.3550, 0.3278



61.2557, 0.3673, 0.3275



58.9584, 0.3282, 0.3853



11.8127, 0.3287, 0.3285



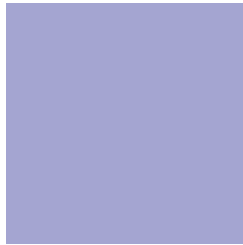
8.3665, 0.6373, 0.3284



0.4694, 0.6282, 0.3234

Previews

White Background



This preview shows how the Yxy color 39.4062, 0.2768, 0.2709 looks on a white background.

Color Contrast Check

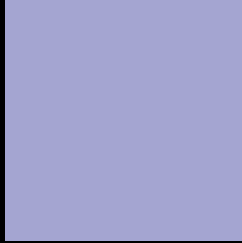
Large Text (above 18pt) WCAG AA × Fail

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 39.4062, 0.2768, 0.2709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

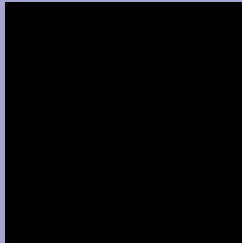
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.4062, 0.2768, 0.2709

Background



This preview shows how black text looks on a background with the Yxy color 39.4062, 0.2768, 0.2709.



This preview shows how white text looks on a background with the Yxy color 39.4062, 0.2768, 0.2709.

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

39.4062, 0.2768, 0.2709

Protanopia

39.5597, 0.2716, 0.2716

Deuteranopia

39.4062, 0.2768, 0.2709



Tritanopia

39.5393, 0.2925, 0.3108

Trichromacy



Original Color

39.4062, 0.2768, 0.2709

Protanomaly

39.3992, 0.2730, 0.2705

Deuteranomaly

39.4062, 0.2768, 0.2709

Tritanomaly

39.3881, 0.2872, 0.2960

Monochromacy



Original Color

39.4062, 0.2768, 0.2709

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.7908, 0.2995, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.4062, 0.2768, 0.2709 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(164, 165, 209)` looks like.

```
.text, #text, p{  
    color:rgb(164, 165, 209)  
}
```

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(164, 165, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 165, 209) }
```

Border

The CSS property to change the border of an element to Yxy 39.4062, 0.2768, 0.2709 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(164, 165, 209) }
```

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

```
.border{ border-color:rgb(164, 165, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 165, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 165, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 165, 209);  
box-shadow:4px 4px 4px 4px rgb(164, 165,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 39.4062, 0.2768, 0.2709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 165, 209) }
```

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

```
.background{ background-color: rgb(164,  
165, 209) }
```

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