

Converting Colors

$Y_{xy}(40.0191, 0.2800, 0.2754)$

Have a look what the booklet for
Yxy(40.0191, 0.2800, 0.2754)
contains.

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Color

Yxy(39.8844, 0.2800, 0.2749)

Conversions

Conversions Part 1

Format	Color
Hex	A6A6CF
RGB	166, 166, 207
RGB Percent	65%, 65%, 81%
CMY	0.3490, 0.3490, 0.1883
CMYK	0.20, 0.20, 0.00, 0.19
HSL	240°, 30%, 73%
HSV	240°, 20%, 81%
XYZ	40.6243, 39.8844, 64.5782
YIQ	170.6740, -13.1610, 12.7510

Conversions

Conversions Part 2

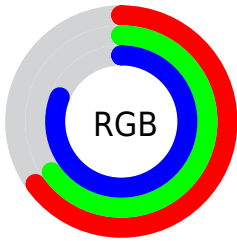
Format	Color
R_{YB}	166, 166, 207
Decimal	10921679
CIE Lab	69.39, 8.59, -20.82
CIE LCh	69, 22.519, 292.413
Yxy	39.8844, 0.2800, 0.2749
Android (android.graphics.Color)	4289111759 (0xFFA6A6CF)
YUV	170.6740, 17.9087, -4.0991
Hunter-Lab	63.1541, 4.3018, -16.4191

Details

The Yxy color **39.8844, 0.2800, 0.2749** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **60.6334, 0.3423, 0.3779**, and the grayscale version is **40.4675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3051, 0.2913, 0.2936**, and **17.8452, 0.2691, 0.2585** is the 20% darker color. If you saturate the color by 10%, you get **30.8968, 0.2605, 0.2427**, and if you desaturate by 10%, it is **50.4461, 0.2975, 0.3039**.

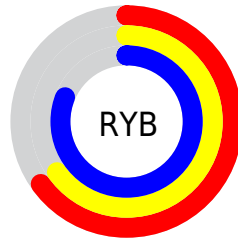
Distribution



Red (65%)

Green (65%)

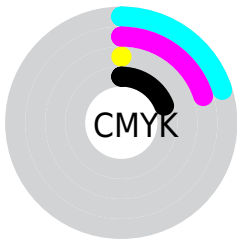
Blue (81%)



Red (65%)

Yellow (65%)

Blue (81%)

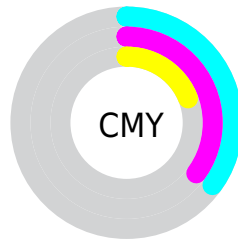


Cyan (20%)

Magenta (20%)

Yellow (0%)

Black (19%)



Cyan (35%)

Magenta (35%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8844, 0.2800, 0.2749 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 39.8844, 0.2800, 0.2749 by changing the saturation by 10% instead.

■ 39.8844, 0.2800,
0.2749

■ 39.8844, 0.2800,
0.2749

■ 345.6361, 0.2968,
0.3019

■ 27.4484, 0.2757,
0.2682

■ 74.9875, 0.2862,
0.2847

■ 17.9103, 0.2701,
0.2597

■ 98.4233, 0.2885,
0.2883

■ 10.8856, 0.2626,
0.2485

■ 126.2946, 0.2904,
0.2914

■ 5.9900, 0.2520,
0.2331

■ 158.9857, 0.2921,
0.2941

■ 2.8390, 0.2360,
0.2107

■ 196.8810, 0.2935,
0.2964

■ 1.0483, 0.2095,
0.1757

■ 240.3649, 0.2947,

■ 0.0000, 0.0913,

0.2985

0.0000

289.8218, 0.2958,
0.3003

0.0000, 0.0000,
0.0000

39.8844, 0.2800,
0.2749

39.8844, 0.2800,
0.2749

30.8968, 0.2605,
0.2427

50.4461, 0.2975,
0.3039

23.4036, 0.2396,
0.2081

62.6471, 0.3130,
0.3295

17.3251, 0.2181,
0.1725

76.5547, 0.3264,
0.3517

12.5725, 0.1973,
0.1381

92.2311, 0.3380,
0.3709

9.0470, 0.1788,
0.1076

97.2842, 0.3412,
0.3761

■ 6.6359, 0.1644,
0.0837

■ 5.2058, 0.1549,
0.0681

■ 4.5162, 0.1501,
0.0601

■ 4.5045, 0.1500,
0.0600

Harmonies

Analogous

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



39.8844, 0.2583, 0.2785



39.8844, 0.2800, 0.2749



39.8844, 0.3114, 0.2842

Triad

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



39.8844, 0.2800, 0.2749



39.8844, 0.3789, 0.3572



39.8844, 0.2802, 0.3556

Complementary

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



39.8844, 0.2800, 0.2749



60.6334, 0.3423, 0.3779

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.



39.8844, 0.3113, 0.3802



39.8844, 0.2800, 0.2749



39.8844, 0.3690, 0.3790

Square

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



39.8844, 0.2800, 0.2749



39.8844, 0.3700, 0.3300



39.8844, 0.3439, 0.3884



39.8844, 0.2584, 0.3238

Rectangle

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



39.8844, 0.2800, 0.2749



39.8844, 0.3340, 0.2964



39.8844, 0.3439, 0.3884



39.8844, 0.2898, 0.3652

Sweetspot

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



39.8860, 0.2800, 0.2749



87.8370, 0.3035, 0.3138



57.2297, 0.2833, 0.3289



18.5301, 0.3025, 0.3121



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.



39.8860, 0.2800, 0.2749



57.1591, 0.2715, 0.2608



42.2789, 0.2971, 0.2775



11.4178, 0.2982, 0.3050



2.8386, 0.1500, 0.0600



0.1588, 0.1500, 0.0600

Inverse Universe

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



45.0406, 0.3150, 0.2803



66.9738, 0.3155, 0.2691



57.8725, 0.3259, 0.3806



12.0090, 0.3138, 0.3061



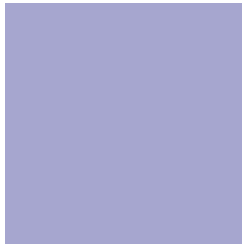
11.1949, 0.3210, 0.1542



0.6260, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 39.8844, 0.2800, 0.2749 looks on a white background.

Color Contrast Check

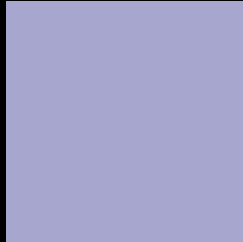
Large Text (above 18pt) WCAG AA × Fail

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 39.8844, 0.2800, 0.2749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

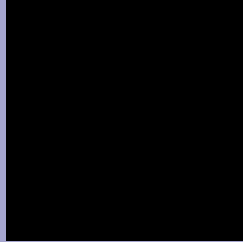
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8844, 0.2800, 0.2749

Background



This preview shows how black text looks on a background with the Yxy color 39.8844, 0.2800, 0.2749.



This preview shows how white text looks on a background with the Yxy color 39.8844, 0.2800, 0.2749.

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

39.8844, 0.2800, 0.2749

Protanopia

40.0329, 0.2747, 0.2757

Deuteranopia

39.9929, 0.2808, 0.2750



Tritanopia

39.8915, 0.2943, 0.3096

Trichromacy



Original Color

39.8844, 0.2800, 0.2749

Protanomaly

39.8729, 0.2761, 0.2745

Deuteranomaly

39.9929, 0.2808, 0.2750

Tritanomaly

39.9682, 0.2889, 0.2976

Monochromacy



Original Color

39.8844, 0.2800, 0.2749

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.2716, 0.3003, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8844, 0.2800, 0.2749 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(166, 166, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 166, 207) }
```

Border

The CSS property to change the border of an element to Yxy 39.8844, 0.2800, 0.2749 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, 207) }
```

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

```
.border{ border-color:rgb(166, 166, 207) }
```

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, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 166, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 166, 207);  
box-shadow:4px 4px 4px 4px rgb(166, 166,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8844, 0.2800, 0.2749 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, 207) }
```

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

```
.background{ background-color: rgb(166,  
166, 207) }
```

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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