

Converting Colors

$Y_{xy}(39.8230, 0.2870, 0.2869)$

Have a look what the booklet for
Yxy(39.8230, 0.2870, 0.2869)
contains.

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Color

Yxy(39.9301, 0.2876, 0.2875)

Conversions

Conversions Part 1

Format	Color
Hex	A7A7C6
RGB	167, 167, 198
RGB Percent	65%, 65%, 78%
CMY	0.3451, 0.3451, 0.2236
CMYK	0.16, 0.16, 0.00, 0.22
HSL	240°, 21%, 72%
HSV	240°, 16%, 78%
XYZ	39.9440, 39.9301, 59.0132
YIQ	170.5340, -9.9510, 9.6410

Conversions

Conversions Part 2

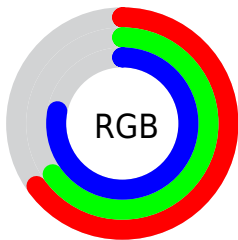
Format	Color
R _Y B	167, 167, 198
Decimal	10987462
CIE Lab	69.42, 6.33, -15.79
CIE LCh	69, 17.011, 291.849
Yxy	39.9301, 0.2876, 0.2875
Android (android.graphics.Color)	4289177542 (0xFFA7A7C6)
YUV	170.5340, 13.5407, -3.0993
Hunter-Lab	63.1903, 2.2509, -11.1376

Details

The Yxy color $39.9301, 0.2876, 0.2875$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $55.1605, 0.3359, 0.3674$, and the grayscale version is $40.4133, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.9921, 0.2920, 0.2947$, and $17.9199, 0.2804, 0.2755$ is the 20% darker color. If you saturate the color by 10%, you get $31.2346, 0.2690, 0.2567$, and if you desaturate by 10%, it is $50.0680, 0.3042, 0.3150$.

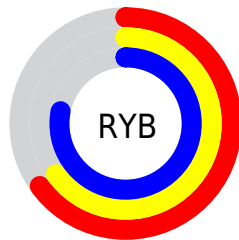
Distribution



Red (65%)

Green (65%)

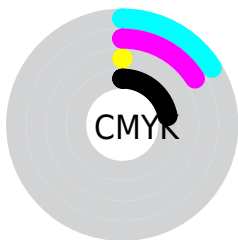
Blue (78%)



Red (65%)

Yellow (65%)

Blue (78%)

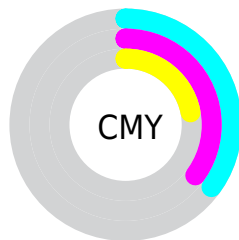


Cyan (16%)

Magenta (16%)

Yellow (0%)

Black (22%)



Cyan (35%)

Magenta (35%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9301, 0.2876, 0.2875 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 39.9301, 0.2876, 0.2875 by changing the saturation by 10% instead.

■ 39.9301, 0.2876,
0.2875

■ 39.9301, 0.2876,
0.2875

■ 345.8289, 0.3005,
0.3084

■ 27.4840, 0.2843,
0.2823

■ 75.0571, 0.2924,
0.2951

■ 17.9371, 0.2799,
0.2756

■ 98.5068, 0.2941,
0.2979

■ 10.9048, 0.2741,
0.2666

■ 126.3931, 0.2956,
0.3004

■ 6.0029, 0.2658,
0.2541

■ 159.1006, 0.2969,
0.3024

■ 2.8468, 0.2530,
0.2356

■ 197.0135, 0.2980,
0.3042

■ 1.0523, 0.2312,
0.2055

■ 240.5162, 0.2989,

■ 0.0000, 0.0828,

0.3058

0.0000

289.9932, 0.2998,
0.3071

0.0000, 0.0000,
0.0000

39.9301, 0.2876,
0.2875

39.9301, 0.2876,
0.2875

31.2346, 0.2690,
0.2567

50.0680, 0.3042,
0.3150

23.9113, 0.2486,
0.2231

61.7043, 0.3188,
0.3391

17.8917, 0.2273,
0.1878

74.8983, 0.3314,
0.3599

13.0993, 0.2060,
0.1527

89.7043, 0.3423,
0.3778

9.4498, 0.1864,
0.1203

96.8561, 0.3466,
0.3850

■ 6.8481, 0.1701,
0.0933

■ 5.1840, 0.1584,
0.0739

■ 4.3212, 0.1519,
0.0632

■ 4.0789, 0.1500,
0.0600

Harmonies

Analogous

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



39.9301, 0.2710, 0.2908



39.9301, 0.2876, 0.2875



39.9301, 0.3114, 0.2944

Triad

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



39.9301, 0.2876, 0.2875



39.9301, 0.3626, 0.3506



39.9301, 0.2886, 0.3494

Complementary

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



39.9301, 0.2876, 0.2875



55.1605, 0.3359, 0.3674

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.



39.9301, 0.3124, 0.3673



39.9301, 0.2876, 0.2875



39.9301, 0.3556, 0.3669

Square

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



39.9301, 0.2876, 0.2875



39.9301, 0.3555, 0.3298



39.9301, 0.3370, 0.3735



39.9301, 0.2716, 0.3259

Rectangle

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



39.9301, 0.2876, 0.2875



39.9301, 0.3285, 0.3038



39.9301, 0.3370, 0.3735



39.9301, 0.2960, 0.3564

Sweetspot

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



39.9318, 0.2876, 0.2875



89.7996, 0.3051, 0.3165



52.6442, 0.2896, 0.3296



18.9258, 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.



39.9318, 0.2876, 0.2875



64.8437, 0.2811, 0.2767



41.6511, 0.3004, 0.2890



10.2886, 0.2983, 0.3051



2.6538, 0.1500, 0.0601



0.1260, 0.1501, 0.0602

Inverse Universe

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



42.4268, 0.3418, 0.3291



70.1524, 0.3502, 0.3291



53.2343, 0.3236, 0.3689



10.6371, 0.3289, 0.3290



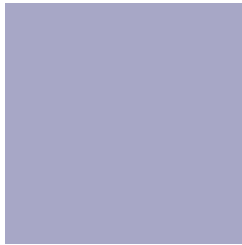
7.8079, 0.6400, 0.3299



0.3697, 0.6397, 0.3298

Previews

White Background



This preview shows how the Yxy color 39.9301, 0.2876, 0.2875 looks on a white background.

Color Contrast Check

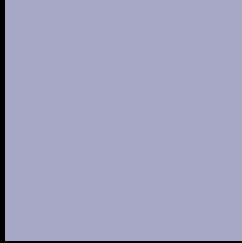
Large Text (above 18pt) WCAG AA × Fail

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 39.9301, 0.2876, 0.2875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

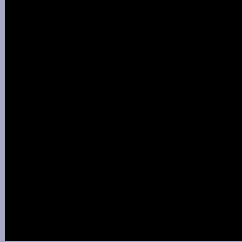
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

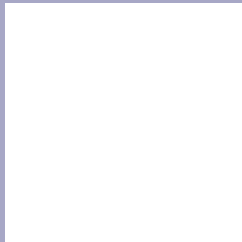
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.9301, 0.2876, 0.2875

Background



This preview shows how black text looks on a background with the Yxy color 39.9301, 0.2876, 0.2875.



This preview shows how white text looks on a background with the Yxy color 39.9301, 0.2876, 0.2875.

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

39.9301, 0.2876, 0.2875

Protanopia

40.0213, 0.2844, 0.2873

Deuteranopia

39.7581, 0.2917, 0.2853



Tritanopia

40.0609, 0.2968, 0.3110

Trichromacy



Original Color

39.9301, 0.2876, 0.2875

Protanomaly

40.1281, 0.2852, 0.2874

Deuteranomaly

39.8957, 0.2901, 0.2864

Tritanomaly

40.0061, 0.2937, 0.3030

Monochromacy



Original Color

39.9301, 0.2876, 0.2875

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.6317, 0.3036, 0.3140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9301, 0.2876, 0.2875 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, 167, 198)` looks like.

```
.text, #text, p{  
    color:rgb(167, 167, 198)  
}
```

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, 167, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 167, 198) }
```

Border

The CSS property to change the border of an element to Yxy 39.9301, 0.2876, 0.2875 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, 167, 198) }
```

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

```
.border{ border-color:rgb(167, 167, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 167, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 167, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 167, 198);  
box-shadow:4px 4px 4px 4px rgb(167, 167,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9301, 0.2876, 0.2875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 167, 198) }
```

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

```
.background{ background-color: rgb(167,  
167, 198) }
```

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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