

Converting Colors

$Y_{xy}(40.1099, 0.2873, 0.2912)$

Have a look what the booklet for
Yxy(40.1099, 0.2873, 0.2912)
contains.

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Color

Yxy(39.9901, 0.2875, 0.2912)

Conversions

Conversions Part 1

Format	Color
Hex	A5A8C4
RGB	165, 168, 196
RGB Percent	65%, 66%, 77%
CMY	0.3529, 0.3412, 0.2314
CMYK	0.16, 0.14, 0.00, 0.23
HSL	234°, 21%, 71%
HSV	234°, 16%, 77%
XYZ	39.4820, 39.9901, 57.8566
YIQ	170.2950, -10.7760, 8.0720

Conversions

Conversions Part 2

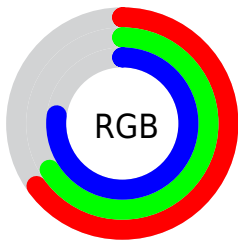
Format	Color
R _Y B	165, 168, 196
Decimal	10856644
CIE Lab	69.46, 4.70, -14.64
CIE LCh	69, 15.378, 287.785
Yxy	39.9901, 0.2875, 0.2912
Android (android.graphics.Color)	4289046724 (0xFFA5A8C4)
YUV	170.2950, 12.6726, -4.6437
Hunter-Lab	63.2377, 0.7791, -9.9784

Details

The Yxy color $39.9901, 0.2875, 0.2912$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $52.5836, 0.3367, 0.3642$, and the grayscale version is $40.2933, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.0828, 0.2919, 0.2976$, and $17.9545, 0.2803, 0.2805$ is the 20% darker color. If you saturate the color by 10%, you get $31.9527, 0.2693, 0.2635$, and if you desaturate by 10%, it is $49.2422, 0.3040, 0.3160$.

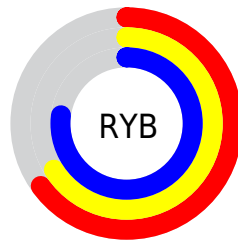
Distribution



Red (65%)

Green (66%)

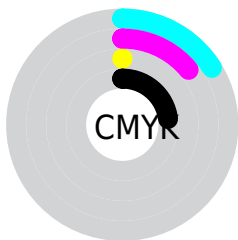
Blue (77%)



Red (65%)

Yellow (66%)

Blue (77%)

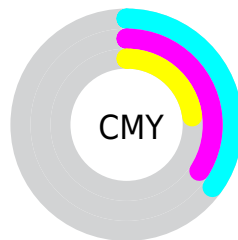


Cyan (16%)

Magenta (14%)

Yellow (0%)

Black (23%)



Cyan (35%)

Magenta (34%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9901, 0.2875, 0.2912 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 39.9901, 0.2875, 0.2912 by changing the saturation by 10% instead.

■ 39.9901, 0.2875,
0.2912

■ 39.9901, 0.2875,
0.2912

■ 346.0818, 0.3004,
0.3103

■ 27.5308, 0.2842,
0.2864

■ 75.1484, 0.2923,
0.2982

■ 17.9723, 0.2799,
0.2802

■ 98.6163, 0.2940,
0.3008

■ 10.9301, 0.2740,
0.2720

■ 126.5225, 0.2955,
0.3030

■ 6.0198, 0.2657,
0.2604

■ 159.2513, 0.2968,
0.3048

■ 2.8572, 0.2530,
0.2431

■ 197.1873, 0.2979,
0.3065

■ 1.0576, 0.2313,
0.2146

■ 240.7148, 0.2988,

■ 0.0000, 0.0571,

0.3079

0.0000

290.2182, 0.2997,
0.3092

0.0000, 0.0000,
0.0000

39.9901, 0.2875,
0.2912

39.9901, 0.2875,
0.2912

31.9527, 0.2693,
0.2635

49.2422, 0.3040,
0.3160

25.0746, 0.2498,
0.2331

59.7513, 0.3186,
0.3378

19.3037, 0.2294,
0.2008

71.5639, 0.3316,
0.3567

14.5820, 0.2091,
0.1680

84.7225, 0.3429,
0.3731

10.8460, 0.1901,
0.1365

96.7651, 0.3478,
0.3870

■ 8.0253, 0.1739,
0.1085

■ 6.0401, 0.1616,
0.0861

■ 4.7961, 0.1540,
0.0707

■ 4.4516, 0.1518,
0.0663

Harmonies

Analogous

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



39.9901, 0.2736, 0.2956



39.9901, 0.2875, 0.2912



39.9901, 0.3085, 0.2962

Triad

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



39.9901, 0.2875, 0.2912



39.9901, 0.3576, 0.3463



39.9901, 0.2936, 0.3500

Complementary

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



39.9901, 0.2875, 0.2912



52.5836, 0.3367, 0.3642

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.



39.9901, 0.3156, 0.3649



39.9901, 0.2875, 0.2912



39.9901, 0.3530, 0.3617

Square

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



39.9901, 0.2875, 0.2912



39.9901, 0.3496, 0.3272



39.9901, 0.3375, 0.3690



39.9901, 0.2770, 0.3292

Rectangle

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



39.9901, 0.2875, 0.2912



39.9901, 0.3239, 0.3041



39.9901, 0.3375, 0.3690



39.9901, 0.3006, 0.3559

Sweetspot

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



39.9918, 0.2875, 0.2912



90.5348, 0.3051, 0.3177



51.3204, 0.2911, 0.3330



19.1036, 0.3040, 0.3160



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.



39.9918, 0.2875, 0.2912



67.1346, 0.2814, 0.2819



40.2883, 0.2980, 0.2883



9.9017, 0.2983, 0.3075



2.9195, 0.1521, 0.0675



0.1805, 0.1589, 0.0921

Inverse Universe

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



41.4715, 0.3394, 0.3252



70.3837, 0.3466, 0.3243



52.3327, 0.3258, 0.3691



10.0934, 0.3274, 0.3268



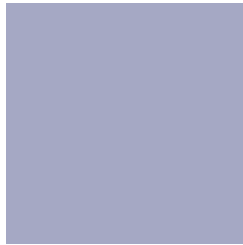
7.5770, 0.6275, 0.3230



0.3329, 0.5880, 0.3013

Previews

White Background



This preview shows how the Yxy color 39.9901, 0.2875, 0.2912 looks on a white background.

Color Contrast Check

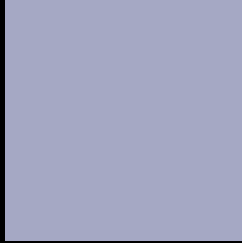
Large Text (above 18pt) WCAG AA × Fail

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 39.9901, 0.2875, 0.2912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

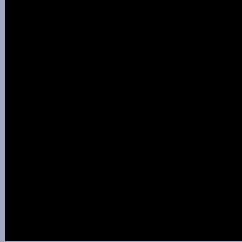
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9901, 0.2875, 0.2912

Background



This preview shows how black text looks on a background with the Yxy color 39.9901, 0.2875, 0.2912.



This preview shows how white text looks on a background with the Yxy color 39.9901, 0.2875, 0.2912.

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

39.9901, 0.2875, 0.2912

Protanopia

39.8833, 0.2867, 0.2911

Deuteranopia

39.8257, 0.2934, 0.2866



Tritanopia

39.9967, 0.2952, 0.3096

Trichromacy



Original Color

39.9901, 0.2875, 0.2912

Protanomaly

39.8833, 0.2867, 0.2911

Deuteranomaly

39.8497, 0.2908, 0.2877

Tritanomaly

39.8993, 0.2929, 0.3029

Monochromacy



Original Color

39.9901, 0.2875, 0.2912

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.9554, 0.3035, 0.3152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9901, 0.2875, 0.2912 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, 168, 196)` looks like.

```
.text, #text, p{  
    color:rgb(165, 168, 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(165, 168, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 168, 196) }
```

Border

The CSS property to change the border of an element to Yxy 39.9901, 0.2875, 0.2912 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, 168, 196) }
```

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

```
.border{ border-color:rgb(165, 168, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 168, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 168, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 168, 196); box-shadow:4px 4px 4px 4px rgb(165, 168, 196) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9901, 0.2875, 0.2912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 168, 196) }
```

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

```
.background{ background-color: rgb(165,  
168, 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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