

Converting Colors

$Y_{xy}(39.9125, 0.2710, 0.2542)$

Have a look what the booklet for
Yxy(39.9125, 0.2710, 0.2542)
contains.

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Color

Yxy(39.7931, 0.2706, 0.2538)

Conversions

Conversions Part 1

Format	Color
Hex	A8A3DE
RGB	168, 163, 222
RGB Percent	66%, 64%, 87%
CMY	0.3413, 0.3607, 0.1293
CMYK	0.24, 0.27, 0.00, 0.13
HSL	245°, 47%, 75%
HSV	245°, 27%, 87%
XYZ	42.4272, 39.7931, 74.5689
YIQ	171.2210, -15.9590, 19.4090

Conversions

Conversions Part 2

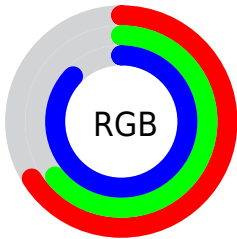
Format	Color
RYB	168, 163, 222
Decimal	11051998
CIELab	69.32, 14.36, -29.18
CIELCh	69, 32.525, 296.196
Yxy	39.7931, 0.2706, 0.2538
Android (android.graphics.Color)	4289242078 (0xFFA8A3DE)
YUV	171.2210, 25.0340, -2.8248
Hunter-Lab	63.0818, 9.6614, -25.9295

Details

The Yxy color $39.7931, 0.2706, 0.2538$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $69.6633, 0.3489, 0.3960$, and the grayscale version is $40.7182, 0.3127, 0.3290$.

A 20% lighter version of the original color is $73.2101, 0.2932, 0.2906$, and $17.8037, 0.2579, 0.2328$ is the 20% darker color. If you saturate the color by 10%, you get $30.5298, 0.2514, 0.2204$, and if you desaturate by 10%, it is $50.7927, 0.2881, 0.2847$.

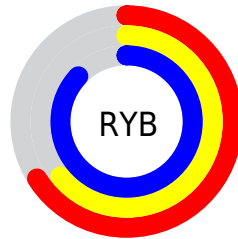
Distribution



Red (66%)

Green (64%)

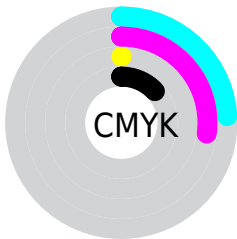
Blue (87%)



Red (66%)

Yellow (64%)

Blue (87%)

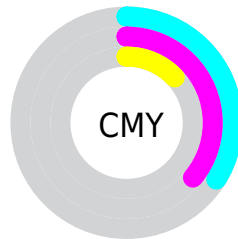


Cyan (24%)

Magenta (27%)

Yellow (0%)

Black (13%)



Cyan (34%)

Magenta (36%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.7931, 0.2706, 0.2538 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 39.7931, 0.2706, 0.2538 by changing the saturation by 10% instead.

■ 39.7931, 0.2706,
0.2538

■ 39.7931, 0.2706,
0.2538

■ 345.2507, 0.2922,
0.2906

■ 27.3773, 0.2651,
0.2450

■ 74.8484, 0.2786,
0.2669

■ 17.8568, 0.2580,
0.2338

■ 98.2566, 0.2815,
0.2719

■ 10.8472, 0.2485,
0.2194

■ 126.0977, 0.2840,
0.2762

■ 5.9642, 0.2353,
0.2001

■ 158.7561, 0.2861,
0.2799

■ 2.8233, 0.2159,
0.1733

■ 196.6162, 0.2880,
0.2831

■ 1.0402, 0.1852,
0.1345

■ 240.0624, 0.2896,

■ 0.0000, 0.1066,

0.2859

0.0000

289.4792, 0.2910,
0.2884

0.0000, 0.0000,
0.0000

39.7931, 0.2706,
0.2538

39.7931, 0.2706,
0.2538

30.5298, 0.2514,
0.2204

50.7927, 0.2881,
0.2847

22.9096, 0.2311,
0.1855

63.6061, 0.3036,
0.3125

16.8376, 0.2106,
0.1511

78.3119, 0.3171,
0.3370

12.2073, 0.1912,
0.1194

94.9825, 0.3288,
0.3585

8.8989, 0.1746,
0.0931

98.0553, 0.3321,
0.3611

■ 6.7728, 0.1620,
0.0743

■ 5.6544, 0.1541,
0.0637

■ 5.4101, 0.1523,
0.0613

Harmonies

Analogous

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



39.7931, 0.2386, 0.2555



39.7931, 0.2706, 0.2538



39.7931, 0.3163, 0.2690

Triad

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



39.7931, 0.2706, 0.2538



39.7931, 0.4081, 0.3717



39.7931, 0.2608, 0.3621

Complementary

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



39.7931, 0.2706, 0.2538



69.6633, 0.3489, 0.3960

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.



39.7931, 0.3035, 0.4015



39.7931, 0.2706, 0.2538



39.7931, 0.3896, 0.4028

Square

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



39.7931, 0.2706, 0.2538



39.7931, 0.3990, 0.3339



39.7931, 0.3508, 0.4159



39.7931, 0.2331, 0.3143

Rectangle

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



39.7931, 0.2706, 0.2538



39.7931, 0.3490, 0.2867



39.7931, 0.3508, 0.4159



39.7931, 0.2738, 0.3772

Sweetspot

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



39.7947, 0.2706, 0.2538



84.2943, 0.3014, 0.3086



62.7441, 0.2734, 0.3229



17.4506, 0.2992, 0.3045



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.



39.7947, 0.2706, 0.2538



46.9942, 0.2599, 0.2351



43.4029, 0.2947, 0.2588



13.2980, 0.2993, 0.3048



3.2323, 0.1528, 0.0616



0.2434, 0.1606, 0.0658

Inverse Universe

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



46.7454, 0.3200, 0.2682



58.0874, 0.3217, 0.2552



65.5414, 0.3267, 0.4011



13.9147, 0.3151, 0.3078



11.8038, 0.3431, 0.1664



0.8241, 0.3393, 0.1643

Previews

White Background



This preview shows how the Yxy color 39.7931, 0.2706, 0.2538 looks on a white background.

Color Contrast Check

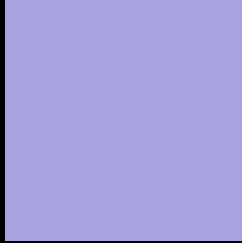
Large Text (above 18pt) WCAG AA × Fail

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 39.7931, 0.2706, 0.2538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

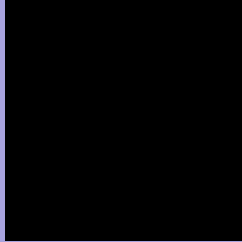
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.7931, 0.2706, 0.2538

Background



This preview shows how black text looks on a background with the Yxy color 39.7931, 0.2706, 0.2538.



This preview shows how white text looks on a background with the Yxy color 39.7931, 0.2706, 0.2538.

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

39.7931, 0.2706, 0.2538

Protanopia

39.8460, 0.2580, 0.2535

Deuteranopia

39.6610, 0.2633, 0.2572



Tritanopia

39.7872, 0.2935, 0.3095

Trichromacy



Original Color

39.7931, 0.2706, 0.2538

Protanomaly

39.9234, 0.2621, 0.2540

Deuteranomaly

39.7078, 0.2662, 0.2565

Tritanomaly

39.6072, 0.2851, 0.2872

Monochromacy



Original Color

39.7931, 0.2706, 0.2538

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.2690, 0.2964, 0.2993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7931, 0.2706, 0.2538 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(168, 163, 222)` looks like.

```
.text, #text, p{  
    color:rgb(168, 163, 222)  
}
```

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(168, 163, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 163, 222) }
```

Border

The CSS property to change the border of an element to Yxy 39.7931, 0.2706, 0.2538 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(168, 163, 222) }
```

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

```
.border{ border-color:rgb(168, 163, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 163, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 163, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 163, 222);  
box-shadow:4px 4px 4px 4px rgb(168, 163,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7931, 0.2706, 0.2538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 163, 222) }
```

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

```
.background{ background-color: rgb(168,  
163, 222) }
```

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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