

Converting Colors

$Y_{xy}(39.6075, 0.2533, 0.2034)$

Have a look what the booklet for
Yxy(39.6075, 0.2533, 0.2034)
contains.

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Color

Yxy(39.1770, 0.2576, 0.2095)

Conversions

Conversions Part 1

Format	Color
Hex	B597FF
RGB	181, 151, 255
RGB Percent	71%, 59%, 100%
CMY	0.2903, 0.4078, 0.0000
CMYK	0.29, 0.41, 0.00, 0.00
HSL	257°, 100%, 80%
HSV	257°, 41%, 100%
XYZ	48.1718, 39.1770, 99.6536
YIQ	171.8260, -15.5040, 38.7040

Conversions

Conversions Part 2

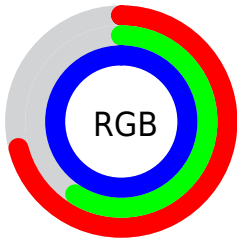
Format	Color
R _Y B	181, 151, 255
Decimal	11900927
CIE Lab	68.88, 32.79, -47.84
CIE LCh	69, 57.996, 304.427
Yxy	39.1770, 0.2576, 0.2095
Android (android.graphics.Color)	4290091007 (0xFFB597FF)
YUV	171.8260, 41.0048, 8.0456
Hunter-Lab	62.5915, 27.8423, -50.5830

Details

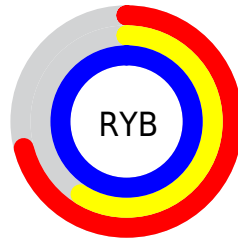
The Yxy color **39.1770, 0.2576, 0.2095** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **89.7668, 0.3533, 0.4380**, and the grayscale version is **40.9557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7133, 0.3035, 0.2794**, and **17.5515, 0.2409, 0.1822** is the 20% darker color. If you saturate the color by 10%, you get **29.7843, 0.2404, 0.1767**, and if you desaturate by 10%, it is **50.6298, 0.2736, 0.2420**.

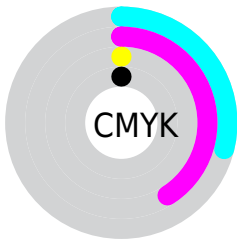
Distribution



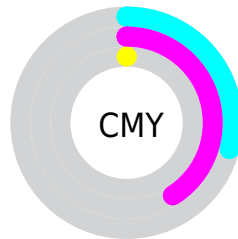
- Red (71%)
- Green (59%)
- Blue (100%)



- Red (71%)
- Yellow (59%)
- Blue (100%)



- Cyan (29%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.1770, 0.2576, 0.2095 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 39.1770, 0.2576, 0.2095 by changing the saturation by 10% instead.


 39.1770, 0.2576,
0.2095


 39.1770, 0.2576,
0.2095


342.6424, 0.2862,
0.2650

 26.8974, 0.2504,
0.1971


 73.9086, 0.2681,
0.2286

 17.4962, 0.2413,
0.1820


 97.1295, 0.2720,
0.2361

 10.5889, 0.2293,
0.1634


124.7663, 0.2753,
0.2426

 5.7911, 0.2131,
0.1402

157.2034, 0.2781,
0.2482

 2.7185, 0.1904,
0.1109

194.8251, 0.2805,
0.2532

 0.9866, 0.1577,
0.0745


238.0159, 0.2827,


 0.0000, 0.1122,


0.2576


0.0000


287.1602, 0.2845,
0.2615


 0.0000, 0.0000,
0.0000


 39.1770, 0.2576,
0.2095


 39.1770, 0.2576,
0.2095


 29.7843, 0.2404,
0.1767


 50.6298, 0.2736,
0.2420

 22.3262, 0.2227,
0.1453


 64.2591, 0.2881,
0.2728


 16.6613, 0.2055,
0.1172

 80.1717, 0.3009,
0.3013

 12.6290, 0.1898,
0.0944

 98.4671, 0.3119,
0.3271

 10.0381, 0.1766,
0.0784

 100.0000, 0.3127,
0.3290

■ 8.6558, 0.1671,
0.0694

Harmonies

Analogous

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



39.1770, 0.1995, 0.2023



39.1770, 0.2576, 0.2095



39.1770, 0.3405, 0.2399

Triad

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



39.1770, 0.2576, 0.2095



39.1770, 0.4735, 0.4085



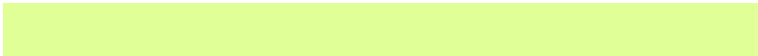
39.1770, 0.2056, 0.3624

Complementary

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



39.1770, 0.2576, 0.2095



89.7668, 0.3533, 0.4380

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.



39.1770, 0.2697, 0.4508



39.1770, 0.2576, 0.2095



39.1770, 0.4247, 0.4636

Square

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



39.1770, 0.2576, 0.2095



39.1770, 0.4767, 0.3469



39.1770, 0.3500, 0.4880



39.1770, 0.1724, 0.2762

Rectangle

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



39.1770, 0.2576, 0.2095



39.1770, 0.3993, 0.2707



39.1770, 0.3500, 0.4880



39.1770, 0.2239, 0.3944

Sweetspot

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



39.1767, 0.2576, 0.2095



78.1071, 0.2994, 0.2980



67.9404, 0.2511, 0.2948



16.2528, 0.2978, 0.2943



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.



39.1767, 0.2576, 0.2095



31.3122, 0.2435, 0.1825



46.5898, 0.2986, 0.2224



17.6313, 0.3024, 0.3047



4.5882, 0.1686, 0.0702



0.4995, 0.1801, 0.0766

Inverse Universe

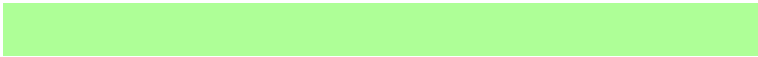
The Inverse Universe completely reimagines the original color for something new.



48.8334, 0.3433, 0.2544



42.3525, 0.3518, 0.2403



82.7004, 0.3198, 0.4506



18.2059, 0.3182, 0.3122



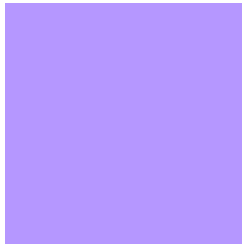
12.8901, 0.4104, 0.2035



1.2740, 0.3978, 0.1965

Previews

White Background



This preview shows how the Yxy color 39.1770, 0.2576, 0.2095 looks on a white background.

Color Contrast Check

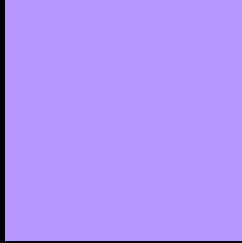
Large Text (above 18pt) WCAG AA × Fail

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 39.1770, 0.2576, 0.2095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

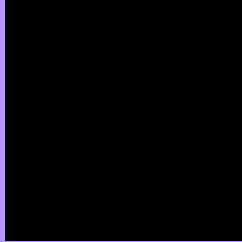
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.1770, 0.2576, 0.2095

Background



This preview shows how black text looks on a background with the Yxy color 39.1770, 0.2576, 0.2095.



This preview shows how white text looks on a background with the Yxy color 39.1770, 0.2576, 0.2095.

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

39.1770, 0.2576, 0.2095

Protanopia

39.3645, 0.2301, 0.2174

Deuteranopia

39.4115, 0.2286, 0.2219



Tritanopia

39.0397, 0.3009, 0.3110

Trichromacy



Original Color

39.1770, 0.2576, 0.2095

Protanomaly

39.0370, 0.2388, 0.2140

Deuteranomaly

38.9711, 0.2381, 0.2165

Tritanomaly

38.6527, 0.2837, 0.2688

Monochromacy



Original Color

39.1770, 0.2576, 0.2095

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

39.9291, 0.2911, 0.2794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1770, 0.2576, 0.2095 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(181, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 151, 255)  
}
```

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(181, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 151, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.1770, 0.2576, 0.2095 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(181, 151, 255) }
```

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

```
.border{ border-color:rgb(181, 151, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 151, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 151, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 151, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 151,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1770, 0.2576, 0.2095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 151, 255) }
```

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

```
.background{ background-color: rgb(181,  
151, 255) }
```

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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