

Converting Colors

$Y_{xy}(43.4679, 0.2263, 0.1723)$

Have a look what the booklet for
Yxy(43.4679, 0.2263, 0.1723)
contains.

| | |
|--|----|
| Yxy(39.3299, 0.2529, 0.2113) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(39.3299, 0.2529, 0.2113)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | AE9AFF |
| RGB | 174, 154, 255 |
| RGB Percent | 68%, 60%, 100% |
| CMY | 0.3174, 0.3962, 0.0000 |
| CMYK | 0.32, 0.40, 0.00, 0.00 |
| HSL | 252°, 100%, 80% |
| HSV | 252°, 40%, 100% |
| XYZ | 47.0730, 39.3299, 99.7301 |
| YIQ | 171.4940, -20.5010, 35.6510 |

Conversions

Conversions Part 2

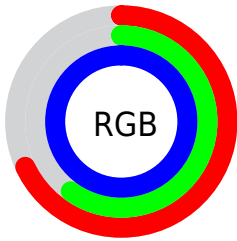
| Format | Color |
|-------------------------------------|--|
| RYB | 174, 154, 255 |
| Decimal | 11442943 |
| CIELab | 68.99, 29.26, -47.70 |
| CIELCh | 69, 55.956, 301.525 |
| Yxy | 39.3299, 0.2529, 0.2113 |
| Android (android.graphics.Color) | 4289633023 (0xFFAE9AFF) |
| YUV | 171.4940, 41.1685, 2.1978 |
| Hunter-Lab | 62.7136, 24.2341, -50.3863 |

Details

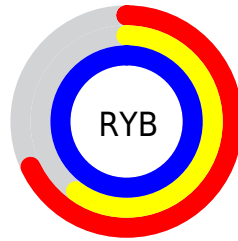
The Yxy color **39.3299, 0.2529, 0.2113** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **91.5001, 0.3584, 0.4325**, and the grayscale version is **40.7859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9767, 0.2985, 0.2818**, and **17.6293, 0.2351, 0.1840** is the 20% darker color. If you saturate the color by 10%, you get **29.6179, 0.2341, 0.1774**, and if you desaturate by 10%, it is **51.1875, 0.2706, 0.2445**.

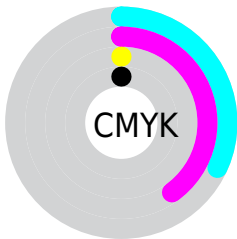
Distribution



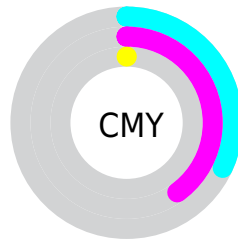
- Red (68%)
- Green (60%)
- Blue (100%)



- Red (68%)
- Yellow (60%)
- Blue (100%)



- Cyan (32%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (32%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.3299, 0.2529, 0.2113 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 39.3299, 0.2529, 0.2113 by changing the saturation by 10% instead.


 39.3299, 0.2529,
0.2113


 39.3299, 0.2529,
0.2113


343.2911, 0.2836,
0.2662

 27.0165, 0.2453,
0.1990


 74.1420, 0.2641,
0.2302

 17.5856, 0.2356,
0.1840


 97.4095, 0.2683,
0.2377

 10.6529, 0.2229,
0.1654


125.0971, 0.2718,
0.2440

 5.8339, 0.2060,
0.1422

157.5893, 0.2749,
0.2496

 2.7444, 0.1824,
0.1127

195.2703, 0.2775,
0.2545

 0.9998, 0.1487,
0.0761

238.5247, 0.2798,


 0.0000, 0.1010,

0.2589

0.0000


287.7368, 0.2818,
0.2627


 0.0000, 0.0000,
0.0000


 39.3299, 0.2529,
0.2113

 39.3299, 0.2529,
0.2113


 29.6179, 0.2341,
0.1774


 51.1875, 0.2706,
0.2445

 21.9196, 0.2150,
0.1445


 65.3084, 0.2866,
0.2758

 16.0908, 0.1967,
0.1150

 81.8033, 0.3008,
0.3043

 11.9672, 0.1806,
0.0911

100.0000, 0.3127,
0.3290

 9.3546, 0.1678,
0.0744

■ 7.9577, 0.1587,
0.0649

■ 7.9160, 0.1585,
0.0647

Harmonies

Analogous

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



39.3299, 0.1990, 0.2069



39.3299, 0.2529, 0.2113



39.3299, 0.3314, 0.2389

Triad

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



39.3299, 0.2529, 0.2113



39.3299, 0.4708, 0.4011



39.3299, 0.2141, 0.3703

Complementary

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



39.3299, 0.2529, 0.2113



91.5001, 0.3584, 0.4325

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.



39.3299, 0.2787, 0.4520



39.3299, 0.2529, 0.2113



39.3299, 0.4275, 0.4553

Square

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



39.3299, 0.2529, 0.2113



39.3299, 0.4683, 0.3413



39.3299, 0.3569, 0.4820



39.3299, 0.1784, 0.2853

Rectangle

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



39.3299, 0.2529, 0.2113



39.3299, 0.3883, 0.2679



39.3299, 0.3569, 0.4820



39.3299, 0.2329, 0.4005

Sweetspot

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



39.3304, 0.2529, 0.2113



77.6498, 0.2976, 0.2978



74.3554, 0.2546, 0.3078



16.1458, 0.2958, 0.2941



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.



39.3304, 0.2529, 0.2113



31.0474, 0.2372, 0.1828



46.0139, 0.2909, 0.2230



17.5516, 0.3010, 0.3046



4.1851, 0.1596, 0.0653



0.4504, 0.1694, 0.0707

Inverse Universe

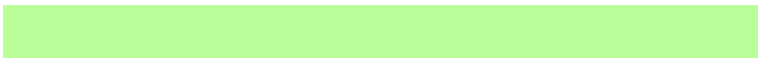
The Inverse Universe completely reimagines the original color for something new.



50.3576, 0.3342, 0.2483



43.6763, 0.3401, 0.2323



84.2876, 0.3260, 0.4443



18.2348, 0.3169, 0.3102



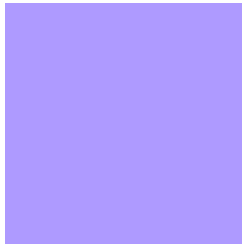
13.4162, 0.3788, 0.1860



1.3213, 0.3709, 0.1817

Previews

White Background



This preview shows how the Yxy color 39.3299, 0.2529, 0.2113 looks on a white background.

Color Contrast Check

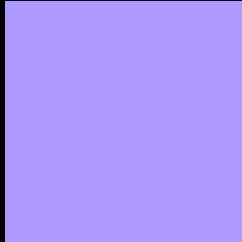
Large Text (above 18pt) WCAG AA × Fail

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 39.3299, 0.2529, 0.2113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

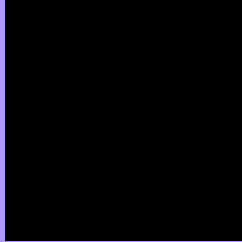
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.3299, 0.2529, 0.2113

Background



This preview shows how black text looks on a background with the Yxy color 39.3299, 0.2529, 0.2113.



This preview shows how white text looks on a background with the Yxy color 39.3299, 0.2529, 0.2113.

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

39.3299, 0.2529, 0.2113

Protanopia

39.3645, 0.2301, 0.2174

Deuteranopia

39.4115, 0.2286, 0.2219



Tritanopia

39.1658, 0.2925, 0.3093

Trichromacy



Original Color

39.3299, 0.2529, 0.2113

Protanomaly

39.1938, 0.2377, 0.2148

Deuteranomaly

39.0435, 0.2364, 0.2172

Tritanomaly

39.0469, 0.2767, 0.2695

Monochromacy



Original Color

39.3299, 0.2529, 0.2113

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.0588, 0.2895, 0.2804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3299, 0.2529, 0.2113 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(174, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(174, 154, 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(174, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 154, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.3299, 0.2529, 0.2113 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(174, 154, 255) }
```

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

```
.border{ border-color:rgb(174, 154, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(174, 154,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3299, 0.2529, 0.2113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 154, 255) }
```

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

```
.background{ background-color: rgb(174,  
154, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor