

Converting Colors

$Y_{xy}(38.9676, 0.2525, 0.2101)$

Have a look what the booklet for
Yxy(38.9676, 0.2525, 0.2101)
contains.

Yxy(39.0011, 0.2527, 0.2102)	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(39.0011, 0.2527, 0.2102)

Conversions

Conversions Part 1

Format	Color
Hex	AE99FF
RGB	174, 153, 255
RGB Percent	68%, 60%, 100%
CMY	0.3178, 0.3999, 0.0000
CMYK	0.32, 0.40, 0.00, 0.00
HSL	252°, 100%, 80%
HSV	252°, 40%, 100%
XYZ	46.8867, 39.0011, 99.6550
YIQ	170.9070, -20.2260, 36.1740

Conversions

Conversions Part 2

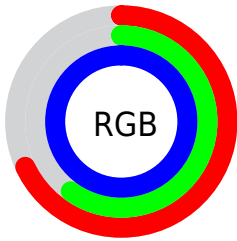
Format	Color
RYB	174, 153, 255
Decimal	11442687
CIELab	68.75, 29.76, -48.06
CIELCh	69, 56.526, 301.767
Yxy	39.0011, 0.2527, 0.2102
Android (android.graphics.Color)	4289632767 (0xFFAE99FF)
YUV	170.9070, 41.4578, 2.7126
Hunter-Lab	62.4509, 24.7247, -50.8955

Details

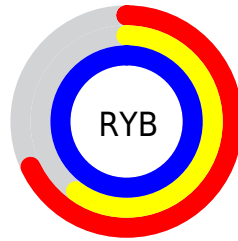
The Yxy color **39.0011, 0.2527, 0.2102** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **91.3170, 0.3584, 0.4337**, and the grayscale version is **40.4699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4876, 0.2985, 0.2808**, and **17.4315, 0.2348, 0.1826** is the 20% darker color. If you saturate the color by 10%, you get **29.3732, 0.2340, 0.1764**, and if you desaturate by 10%, it is **50.7665, 0.2703, 0.2434**.

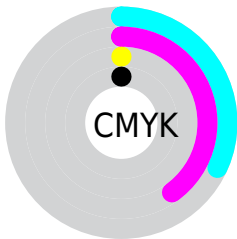
Distribution



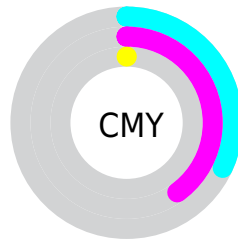
- Red (68%)
- Green (60%)
- Blue (100%)



- 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 39.0011, 0.2527, 0.2102 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 39.0011, 0.2527, 0.2102 by changing the saturation by 10% instead.


 39.0011, 0.2527,
0.2102


 39.0011, 0.2527,
0.2102


341.8952, 0.2836,
0.2656

 26.7606, 0.2450,
0.1978


 73.6400, 0.2640,
0.2293

 17.3935, 0.2353,
0.1826

 96.8072, 0.2682,
0.2368

 10.5154, 0.2225,
0.1640


124.3854, 0.2717,
0.2432

 5.7420, 0.2054,
0.1405

156.7589, 0.2748,
0.2489

 2.6889, 0.1817,
0.1110

194.3123, 0.2774,
0.2538

 0.9715, 0.1478,
0.0743

237.4299, 0.2797,


 0.0000, 0.0992,


0.2582


0.0000

286.4960, 0.2818,
0.2621

 0.0000, 0.0000,
0.0000


 39.0011, 0.2527,
0.2102


 39.0011, 0.2527,
0.2102


 29.3732, 0.2340,
0.1764


 50.7665, 0.2703,
0.2434

 21.7479, 0.2150,
0.1437


 64.7841, 0.2863,
0.2747

 15.9821, 0.1968,
0.1144

 81.1657, 0.3004,
0.3033

 11.9108, 0.1808,
0.0907

99.9993, 0.3127,
0.3290

 9.3392, 0.1680,
0.0743

■ 7.9596, 0.1590,
0.0649

■ 7.9583, 0.1590,
0.0649

Harmonies

Analogous

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



39.0011, 0.1981, 0.2055



39.0011, 0.2527, 0.2102



39.0011, 0.3323, 0.2383

Triad

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



39.0011, 0.2527, 0.2102



39.0011, 0.4724, 0.4021



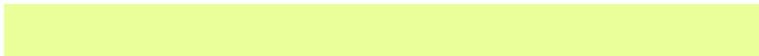
39.0011, 0.2125, 0.3700

Complementary

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



39.0011, 0.2527, 0.2102



91.3170, 0.3584, 0.4337

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.



39.0011, 0.2776, 0.4533



39.0011, 0.2527, 0.2102



39.0011, 0.4282, 0.4570

Square

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



39.0011, 0.2527, 0.2102



39.0011, 0.4705, 0.3417



39.0011, 0.3566, 0.4841



39.0011, 0.1768, 0.2840

Rectangle

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



39.0011, 0.2527, 0.2102



39.0011, 0.3900, 0.2676



39.0011, 0.3566, 0.4841



39.0011, 0.2314, 0.4008

Sweetspot

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



39.0026, 0.2527, 0.2102



77.6824, 0.2977, 0.2978



73.1797, 0.2538, 0.3056



16.1534, 0.2959, 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.



39.0026, 0.2527, 0.2102



31.1266, 0.2378, 0.1831



45.9208, 0.2920, 0.2224



17.5573, 0.3011, 0.3046



4.2089, 0.1601, 0.0656



0.4535, 0.1701, 0.0711

Inverse Universe

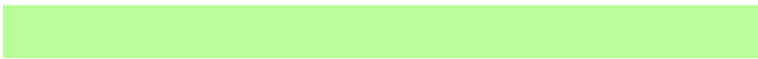
The Inverse Universe completely reimagines the original color for something new.



49.9923, 0.3350, 0.2481



43.6321, 0.3408, 0.2330



83.9567, 0.3250, 0.4459



18.2327, 0.3170, 0.3103



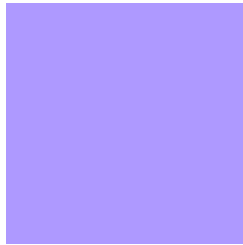
13.3757, 0.3809, 0.1872



1.3177, 0.3727, 0.1827

Previews

White Background



This preview shows how the Yxy color 39.0011, 0.2527, 0.2102 looks on a white background.

Color Contrast Check

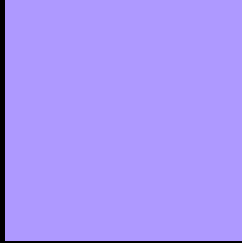
Large Text (above 18pt) WCAG AA × Fail

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 39.0011, 0.2527, 0.2102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

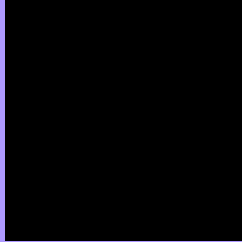
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.0011, 0.2527, 0.2102

Background



This preview shows how black text looks on a background with the Yxy color 39.0011, 0.2527, 0.2102.



This preview shows how white text looks on a background with the Yxy color 39.0011, 0.2527, 0.2102.

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

39.0011, 0.2527, 0.2102

Protanopia

39.2812, 0.2295, 0.2173

Deuteranopia

39.3328, 0.2281, 0.2218



Tritanopia

39.1243, 0.2933, 0.3107

Trichromacy



Original Color

39.0011, 0.2527, 0.2102

Protanomaly

39.0993, 0.2371, 0.2146

Deuteranomaly

38.9523, 0.2358, 0.2170

Tritanomaly

38.6903, 0.2766, 0.2681

Monochromacy



Original Color

39.0011, 0.2527, 0.2102

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

39.5858, 0.2886, 0.2790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0011, 0.2527, 0.2102 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, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(174, 153, 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, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.0011, 0.2527, 0.2102 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, 153, 255) }
```

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

```
.border{ border-color:rgb(174, 153, 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, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(174, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0011, 0.2527, 0.2102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 153, 255) }
```

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

```
.background{ background-color: rgb(174,  
153, 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