

Converting Colors

$Y_{xy}(39.4852, 0.2560, 0.2111)$

Have a look what the booklet for
Yxy(39.4852, 0.2560, 0.2111)
contains.

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Color

Yxy(39.4674, 0.2557, 0.2111)

Conversions

Conversions Part 1

Format	Color
Hex	B299FF
RGB	178, 153, 255
RGB Percent	70%, 60%, 100%
CMY	0.3018, 0.4000, 0.0001
CMYK	0.30, 0.40, 0.00, 0.00
HSL	255°, 100%, 80%
HSV	255°, 40%, 100%
XYZ	47.8058, 39.4674, 99.6874
YIQ	172.1030, -17.8420, 37.0220

Conversions

Conversions Part 2

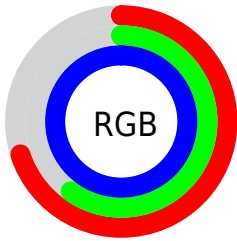
Format	Color
R_{YB}	178, 153, 255
Decimal	11704831
CIE _{Lab}	69.09, 30.87, -47.50
CIE _{LCh}	69, 56.651, 303.023
Yxy	39.4674, 0.2557, 0.2111
Android (android.graphics.Color)	4289894911 (0xFFB299FF)
YUV	172.1030, 40.8682, 5.1717
Hunter-Lab	62.8231, 25.8909, -50.1050

Details

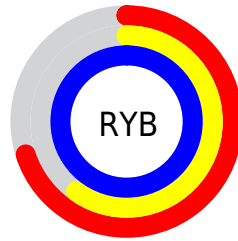
The Yxy color **39.4674, 0.2557, 0.2111** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **90.6165, 0.3555, 0.4347**, and the grayscale version is **41.1090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1646, 0.3013, 0.2812**, and **17.7175, 0.2385, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **29.8771, 0.2377, 0.1777**, and if you desaturate by 10%, it is **51.1629, 0.2725, 0.2439**.

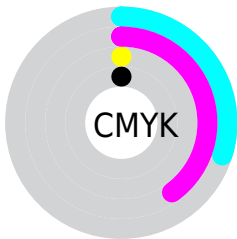
Distribution



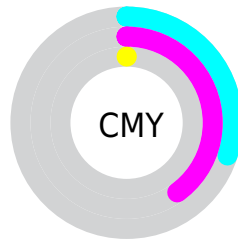
- Red (70%)
- Green (60%)
- Blue (100%)



- Red (70%)
- Yellow (60%)
- Blue (100%)



- Cyan (30%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.4674, 0.2557, 0.2111 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 39.4674, 0.2557, 0.2111 by changing the saturation by 10% instead.


 39.4674, 0.2557,
0.2111


 39.4674, 0.2557,
0.2111


343.8736, 0.2851,
0.2660

 27.1235, 0.2484,
0.1988


 74.3518, 0.2664,
0.2300

 17.6660, 0.2390,
0.1838


 97.6611, 0.2705,
0.2374

 10.7105, 0.2268,
0.1654

125.3944, 0.2739,
0.2438

 5.8725, 0.2104,
0.1422

157.9360, 0.2768,
0.2494

 2.7677, 0.1874,
0.1129

195.6703, 0.2793,
0.2543

 1.0117, 0.1544,
0.0765


238.9818, 0.2815,


 0.0000, 0.1085,


0.2586


0.0000


288.2547, 0.2834,
0.2625


 0.0000, 0.0000,
0.0000

 39.4674, 0.2557,
0.2111


 39.4674, 0.2557,
0.2111


 29.8771, 0.2377,
0.1777

 51.1629, 0.2725,
0.2439


 22.2595, 0.2193,
0.1456


 65.0758, 0.2877,
0.2749


 16.4742, 0.2015,
0.1167

 81.3160, 0.3011,
0.3034

 12.3594, 0.1855,
0.0932

 99.9845, 0.3127,
0.3290

 9.7239, 0.1724,
0.0766

 99.9986, 0.3127,
0.3290

■ 8.2638, 0.1626,
0.0669

■ 8.2636, 0.1626,
0.0669

Harmonies

Analogous

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



39.4674, 0.2000, 0.2053



39.4674, 0.2557, 0.2111



39.4674, 0.3359, 0.2400

Triad

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



39.4674, 0.2557, 0.2111



39.4674, 0.4712, 0.4046



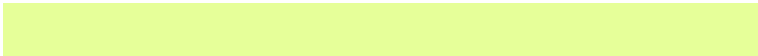
39.4674, 0.2105, 0.3661

Complementary

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



39.4674, 0.2557, 0.2111



90.6165, 0.3555, 0.4347

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.



39.4674, 0.2745, 0.4503



39.4674, 0.2557, 0.2111



39.4674, 0.4254, 0.4587

Square

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



39.4674, 0.2557, 0.2111



39.4674, 0.4714, 0.3442



39.4674, 0.3532, 0.4838



39.4674, 0.1762, 0.2811

Rectangle

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



39.4674, 0.2557, 0.2111



39.4674, 0.3933, 0.2697



39.4674, 0.3532, 0.4838



39.4674, 0.2290, 0.3969

Sweetspot

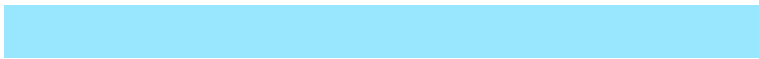
The Sweet Spot groups the original color and five complimentary colors.



39.4689, 0.2557, 0.2111



77.8886, 0.2986, 0.2979



71.2438, 0.2532, 0.3016



16.2016, 0.2969, 0.2942



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.



39.4689, 0.2557, 0.2111



31.6375, 0.2414, 0.1844



46.4568, 0.2948, 0.2232



17.5932, 0.3017, 0.3047



4.3766, 0.1639, 0.0676



0.4745, 0.1747, 0.0736

Inverse Universe

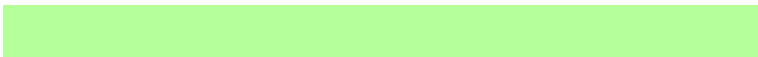
The Inverse Universe completely reimagines the original color for something new.



49.7446, 0.3387, 0.2518



43.3582, 0.3456, 0.2373



83.5320, 0.3229, 0.4468



18.2196, 0.3176, 0.3112



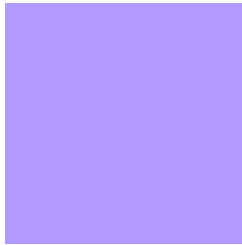
13.1306, 0.3950, 0.1949



1.2958, 0.3846, 0.1893

Previews

White Background



This preview shows how the Yxy color 39.4674, 0.2557, 0.2111 looks on a white background.

Color Contrast Check

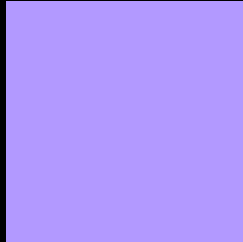
Large Text (above 18pt) WCAG AA × Fail

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 39.4674, 0.2557, 0.2111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

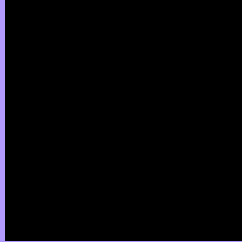
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.4674, 0.2557, 0.2111

Background



This preview shows how black text looks on a background with the Yxy color 39.4674, 0.2557, 0.2111.



This preview shows how white text looks on a background with the Yxy color 39.4674, 0.2557, 0.2111.

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

39.4674, 0.2557, 0.2111

Protanopia

39.8108, 0.2309, 0.2189

Deuteranopia

39.8588, 0.2294, 0.2234



Tritanopia

39.5399, 0.2967, 0.3109

Trichromacy



Original Color

39.4674, 0.2557, 0.2111



Protanomaly

39.3851, 0.2390, 0.2152



Deuteranomaly

39.5821, 0.2379, 0.2188



Tritanomaly

39.1227, 0.2799, 0.2687

Monochromacy



Original Color

39.4674, 0.2557, 0.2111



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

40.1732, 0.2903, 0.2806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.4674, 0.2557, 0.2111 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(178, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 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(178, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.4674, 0.2557, 0.2111 is called "border". The border property can be set on classes, ids or directly on the HTML element.

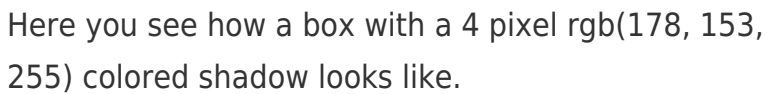
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 153, 255) }
```

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

```
.border{ border-color:rgb(178, 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(178, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 153, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 153, 255); box-shadow:4px 4px 4px 4px rgb(178, 153, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.4674, 0.2557, 0.2111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 153, 255) }
```

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

```
.background{ background-color: rgb(178,  
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](#).

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