

Converting Colors

$Y_{xy}(39.3102, 0.2547, 0.2108)$

Have a look what the booklet for
Yxy(39.3102, 0.2547, 0.2108)
contains.

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Color

Yxy(39.3496, 0.2549, 0.2109)

Conversions

Conversions Part 1

Format	Color
Hex	B199FF
RGB	177, 153, 255
RGB Percent	69%, 60%, 100%
CMY	0.3061, 0.3999, 0.0001
CMYK	0.31, 0.40, 0.00, 0.00
HSL	254°, 100%, 80%
HSV	254°, 40%, 100%
XYZ	47.5591, 39.3496, 99.6707
YIQ	171.8040, -18.4380, 36.8100

Conversions

Conversions Part 2

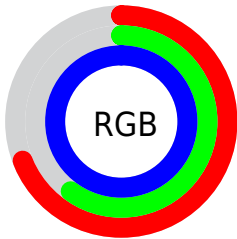
Format	Color
RYB	177, 153, 255
Decimal	11639295
CIELab	69.00, 30.55, -47.63
CIELCh	69, 56.591, 302.677
Yxy	39.3496, 0.2549, 0.2109
Android (android.graphics.Color)	4289829375 (0xFFB199FF)
YUV	171.8040, 41.0156, 4.5569
Hunter-Lab	62.7293, 25.5562, -50.2956

Details

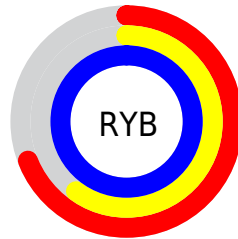
The Yxy color **39.3496, 0.2549, 0.2109** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **90.8000, 0.3563, 0.4344**, and the grayscale version is **40.9453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9939, 0.3006, 0.2811**, and **17.6449, 0.2376, 0.1836** is the 20% darker color. If you saturate the color by 10%, you get **29.7463, 0.2367, 0.1774**, and if you desaturate by 10%, it is **51.0667, 0.2719, 0.2438**.

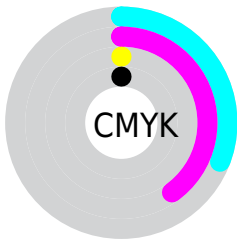
Distribution



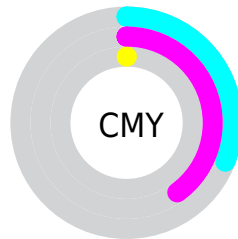
- Red (69%)
- Green (60%)
- Blue (100%)



- Red (69%)
- Yellow (60%)
- Blue (100%)



- Cyan (31%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.3496, 0.2549, 0.2109 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 39.3496, 0.2549, 0.2109 by changing the saturation by 10% instead.


 39.3496, 0.2549,
0.2109


 39.3496, 0.2549,
0.2109


343.3746, 0.2847,
0.2659

 27.0318, 0.2475,
0.1986


 74.1721, 0.2658,
0.2299

 17.5971, 0.2380,
0.1836

 97.4456, 0.2699,
0.2373

 10.6611, 0.2257,
0.1650


125.1397, 0.2733,
0.2437

 5.8395, 0.2091,
0.1418

157.6390, 0.2762,
0.2493

 2.7477, 0.1859,
0.1125

195.3277, 0.2788,
0.2542

 1.0015, 0.1527,
0.0760

238.5902, 0.2810,


 0.0000, 0.1060,


0.2585


0.0000

287.8111, 0.2830,
0.2624


 0.0000, 0.0000,
0.0000


 39.3496, 0.2549,
0.2109


 39.3496, 0.2549,
0.2109


 29.7463, 0.2367,
0.1774


 51.0667, 0.2719,
0.2438

 22.1239, 0.2182,
0.1451


 65.0105, 0.2873,
0.2749

 16.3412, 0.2003,
0.1161

 81.2914, 0.3009,
0.3034

 12.2356, 0.1842,
0.0925

99.9981, 0.3127,
0.3290

 9.6151, 0.1711,
0.0760

■ 8.1753, 0.1615,
0.0664

■ 8.1731, 0.1615,
0.0663

Harmonies

Analogous

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



39.3496, 0.1995, 0.2054



39.3496, 0.2549, 0.2109



39.3496, 0.3349, 0.2396

Triad

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



39.3496, 0.2549, 0.2109



39.3496, 0.4714, 0.4039



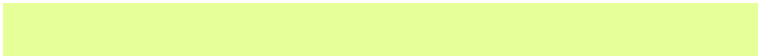
39.3496, 0.2111, 0.3671

Complementary

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



39.3496, 0.2549, 0.2109



90.8000, 0.3563, 0.4344

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.



39.3496, 0.2754, 0.4511



39.3496, 0.2549, 0.2109



39.3496, 0.4262, 0.4582

Square

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



39.3496, 0.2549, 0.2109



39.3496, 0.4711, 0.3435



39.3496, 0.3542, 0.4838



39.3496, 0.1764, 0.2819

Rectangle

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



39.3496, 0.2549, 0.2109



39.3496, 0.3923, 0.2692



39.3496, 0.3542, 0.4838



39.3496, 0.2297, 0.3979

Sweetspot

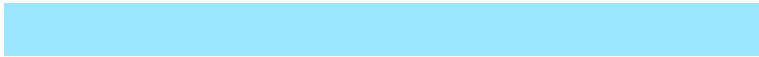
The Sweet Spot groups the original color and five complimentary colors.



39.3511, 0.2549, 0.2109



77.8320, 0.2983, 0.2979



71.2484, 0.2532, 0.3016



16.1884, 0.2966, 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.



39.3511, 0.2549, 0.2109



31.4957, 0.2404, 0.1840



46.4694, 0.2948, 0.2232



17.5834, 0.3015, 0.3047



4.3275, 0.1628, 0.0670



0.4685, 0.1734, 0.0729

Inverse Universe

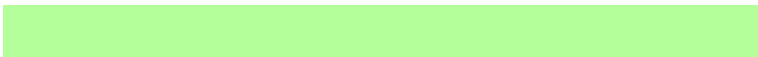
The Inverse Universe completely reimagines the original color for something new.



49.8192, 0.3376, 0.2509



43.4323, 0.3443, 0.2361



83.5311, 0.3229, 0.4467



18.2232, 0.3174, 0.3110



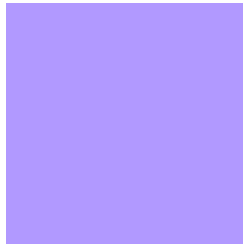
13.1960, 0.3910, 0.1928



1.3016, 0.3813, 0.1874

Previews

White Background



This preview shows how the Yxy color 39.3496, 0.2549, 0.2109 looks on a white background.

Color Contrast Check

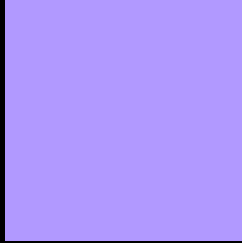
Large Text (above 18pt) WCAG AA × Fail

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 39.3496, 0.2549, 0.2109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

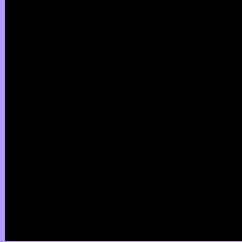
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.3496, 0.2549, 0.2109

Background



This preview shows how black text looks on a background with the Yxy color 39.3496, 0.2549, 0.2109.



This preview shows how white text looks on a background with the Yxy color 39.3496, 0.2549, 0.2109.

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

39.3496, 0.2549, 0.2109

Protanopia

39.7267, 0.2303, 0.2187

Deuteranopia

39.7794, 0.2289, 0.2233



Tritanopia

39.4347, 0.2959, 0.3109

Trichromacy



Original Color

39.3496, 0.2549, 0.2109

Protanomaly

39.2890, 0.2384, 0.2150

Deuteranomaly

39.4893, 0.2373, 0.2186

Tritanomaly

39.0133, 0.2791, 0.2686

Monochromacy



Original Color

39.3496, 0.2549, 0.2109

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 39.3496, 0.2549, 0.2109 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(177, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.3496, 0.2549, 0.2109 is called "border". The border property can be set on classes, ids or directly on the HTML element.

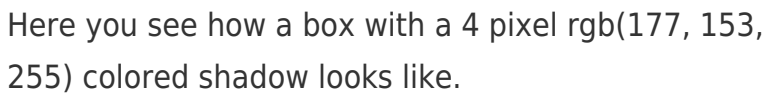
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 153, 255) }
```

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

```
.border{ border-color:rgb(177, 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(177, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3496, 0.2549, 0.2109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 153, 255) }
```

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

```
.background{ background-color: rgb(177,  
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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