

Converting Colors

$Y_{xy}(39.0673, 0.2509, 0.2109)$

Have a look what the booklet for
Yxy(39.0673, 0.2509, 0.2109)
contains.

Yxy(38.9891, 0.2507, 0.2107)	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(38.9891, 0.2507, 0.2107)

Conversions

Conversions Part 1

Format	Color
Hex	AB9AFF
RGB	171, 154, 255
RGB Percent	67%, 60%, 100%
CMY	0.3295, 0.3960, 0.0001
CMYK	0.33, 0.40, 0.00, 0.00
HSL	250°, 100%, 80%
HSV	250°, 40%, 100%
XYZ	46.3909, 38.9891, 99.6655
YIQ	170.5970, -22.2890, 35.0150

Conversions

Conversions Part 2

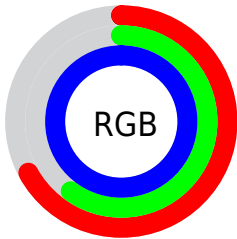
Format	Color
R _Y B	171, 154, 255
Decimal	11246335
CIE Lab	68.74, 28.40, -48.08
CIE LCh	69, 55.841, 300.569
Yxy	38.9891, 0.2507, 0.2107
Android (android.graphics.Color)	4289436415 (0xFFAB9AFF)
YUV	170.5970, 41.6107, 0.3534
Hunter-Lab	62.4413, 23.3449, -50.9268

Details

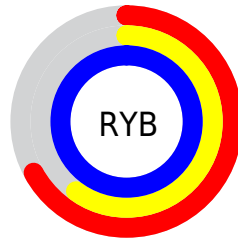
The Yxy color **38.9891, 0.2507, 0.2107** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **92.0188, 0.3605, 0.4317**, and the grayscale version is **40.3077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4789, 0.2964, 0.2815**, and **17.4226, 0.2324, 0.1831** is the 20% darker color. If you saturate the color by 10%, you get **29.2539, 0.2314, 0.1764**, and if you desaturate by 10%, it is **50.8971, 0.2690, 0.2442**.

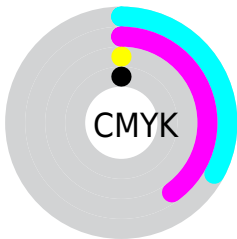
Distribution



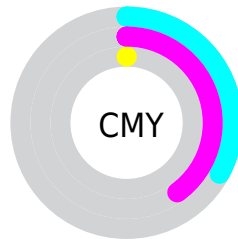
- Red (67%)
- Green (60%)
- Blue (100%)



- Red (67%)
- Yellow (60%)
- Blue (100%)



- Cyan (33%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9891, 0.2507, 0.2107 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 38.9891, 0.2507, 0.2107 by changing the saturation by 10% instead.

 38.9891, 0.2507,
0.2107


 38.9891, 0.2507,
0.2107


341.8441, 0.2825,
0.2660

 26.7512, 0.2428,
0.1983


 73.6217, 0.2623,
0.2298

 17.3865, 0.2328,
0.1832


 96.7852, 0.2666,
0.2372

 10.5104, 0.2198,
0.1644

124.3593, 0.2703,
0.2437

 5.7387, 0.2024,
0.1410

156.7286, 0.2734,
0.2493

 2.6868, 0.1782,
0.1114

194.2773, 0.2762,
0.2542

 0.9705, 0.1439,
0.0746


237.3899, 0.2785,


 0.0000, 0.0941,


0.2586


0.0000


286.4507, 0.2806,
0.2625


 0.0000, 0.0000,
0.0000


 38.9891, 0.2507,
0.2107


 38.9891, 0.2507,
0.2107


 29.2539, 0.2314,
0.1764


 50.8971, 0.2690,
0.2442

 21.5546, 0.2118,
0.1432


 65.0945, 0.2856,
0.2757

 15.7458, 0.1934,
0.1134

 81.6950, 0.3004,
0.3044

 11.6602, 0.1773,
0.0894

99.9983, 0.3127,
0.3290

 9.1008, 0.1649,
0.0728

■ 7.7689, 0.1565,
0.0637

■ 7.7277, 0.1562,
0.0634

Harmonies

Analogous

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



38.9891, 0.1977, 0.2070



38.9891, 0.2507, 0.2107



38.9891, 0.3287, 0.2377

Triad

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



38.9891, 0.2507, 0.2107



38.9891, 0.4716, 0.3993



38.9891, 0.2157, 0.3733

Complementary

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



38.9891, 0.2507, 0.2107



92.0188, 0.3605, 0.4317

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.



38.9891, 0.2811, 0.4540



38.9891, 0.2507, 0.2107



38.9891, 0.4295, 0.4539

Square

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



38.9891, 0.2507, 0.2107



38.9891, 0.4674, 0.3394



38.9891, 0.3594, 0.4821



38.9891, 0.1790, 0.2876

Rectangle

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



38.9891, 0.2507, 0.2107



38.9891, 0.3858, 0.2663



38.9891, 0.3594, 0.4821



38.9891, 0.2348, 0.4034

Sweetspot

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



38.9906, 0.2507, 0.2107



77.4931, 0.2970, 0.2977



75.3258, 0.2549, 0.3098



16.1092, 0.2951, 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.



38.9906, 0.2507, 0.2107



30.6725, 0.2345, 0.1819



45.7591, 0.2896, 0.2226



17.5242, 0.3005, 0.3046



4.0814, 0.1572, 0.0640



0.4365, 0.1662, 0.0689

Inverse Universe

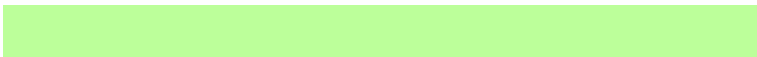
The Inverse Universe completely reimagines the original color for something new.



50.5475, 0.3314, 0.2456



43.8923, 0.3365, 0.2290



84.4868, 0.3270, 0.4439



18.2449, 0.3164, 0.3094



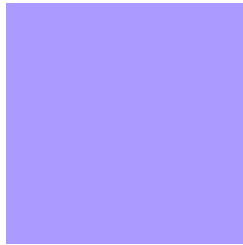
13.6170, 0.3686, 0.1804



1.3391, 0.3623, 0.1769

Previews

White Background



This preview shows how the Yxy color 38.9891, 0.2507, 0.2107 looks on a white background.

Color Contrast Check

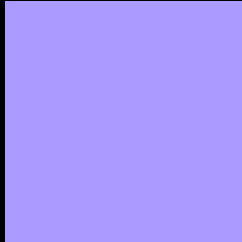
Large Text (above 18pt) WCAG AA × Fail

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 38.9891, 0.2507, 0.2107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

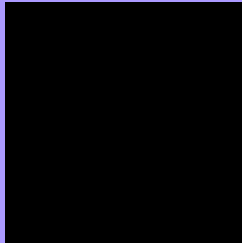
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9891, 0.2507, 0.2107

Background



This preview shows how black text looks on a background with the Yxy color 38.9891, 0.2507, 0.2107.



This preview shows how white text looks on a background with the Yxy color 38.9891, 0.2507, 0.2107.

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

38.9891, 0.2507, 0.2107

Protanopia

39.2812, 0.2295, 0.2173

Deuteranopia

39.2549, 0.2275, 0.2217



Tritanopia

38.8628, 0.2900, 0.3092

Trichromacy



Original Color

38.9891, 0.2507, 0.2107

Protanomaly

39.0056, 0.2365, 0.2145

Deuteranomaly

38.8618, 0.2352, 0.2168

Tritanomaly

38.7314, 0.2743, 0.2691

Monochromacy



Original Color

38.9891, 0.2507, 0.2107

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

39.8325, 0.2878, 0.2802

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9891, 0.2507, 0.2107 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(171, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 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(171, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 154, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.9891, 0.2507, 0.2107 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(171, 154, 255) }
```

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

```
.border{ border-color:rgb(171, 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(171, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 154,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9891, 0.2507, 0.2107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 154, 255) }
```

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

```
.background{ background-color: rgb(171,  
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