

Converting Colors

$Yxy(38.8391, 0.2452, 0.2117)$

Have a look what the booklet for
Yxy(38.8391, 0.2452, 0.2117)
contains.

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Color

Yxy(38.7835, 0.2454, 0.2113)

Conversions

Conversions Part 1

Format	Color
Hex	A39CFF
RGB	163, 156, 255
RGB Percent	64%, 61%, 100%
CMY	0.3608, 0.3882, 0.0000
CMYK	0.36, 0.39, 0.00, 0.00
HSL	244°, 100%, 81%
HSV	244°, 39%, 100%
XYZ	45.0425, 38.7835, 99.7211
YIQ	169.3790, -27.6070, 32.2730

Conversions

Conversions Part 2

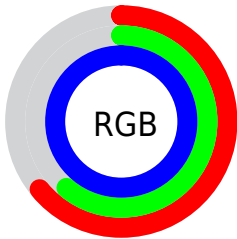
Format	Color
R _Y B	163, 156, 255
Decimal	10722559
CIE Lab	68.59, 25.19, -48.37
CIE LCh	69, 54.539, 297.508
Yxy	38.7835, 0.2454, 0.2113
Android (android.graphics.Color)	4288912639 (0xFFA39CFF)
YUV	169.3790, 42.2112, -5.5944
Hunter-Lab	62.2764, 20.1194, -51.3456

Details

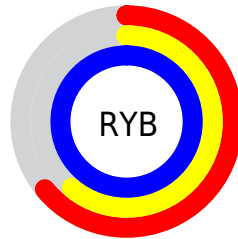
The Yxy color **38.7835, 0.2454, 0.2113** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.8774, 0.3663, 0.4273**, and the grayscale version is **39.6716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0242, 0.2903, 0.2828**, and **17.3062, 0.2261, 0.1836** is the 20% darker color. If you saturate the color by 10%, you get **28.8347, 0.2246, 0.1760**, and if you desaturate by 10%, it is **50.9998, 0.2653, 0.2456**.

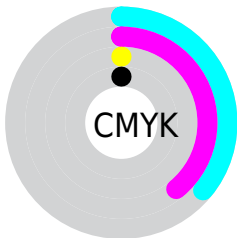
Distribution



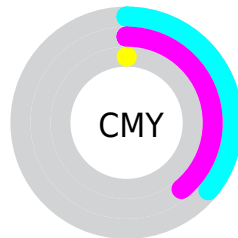
- Red (64%)
- Green (61%)
- Blue (100%)



- Red (64%)
- Yellow (61%)
- Blue (100%)



- Cyan (36%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7835, 0.2454, 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 38.7835, 0.2454, 0.2113 by changing the saturation by 10% instead.


 38.7835, 0.2454,
0.2113


 38.7835, 0.2454,
0.2113


340.9691, 0.2796,
0.2665

 26.5913, 0.2370,
0.1988


 73.3075, 0.2578,
0.2304

 17.2665, 0.2263,
0.1836


 96.4081, 0.2625,
0.2379

 10.4247, 0.2125,
0.1648


123.9136, 0.2664,
0.2443

 5.6815, 0.1942,
0.1412

156.2085, 0.2698,
0.2499

 2.6524, 0.1690,
0.1113

193.6771, 0.2728,
0.2548

 0.9531, 0.1336,
0.0742

236.7038, 0.2754,

 0.0000, 0.0794,

0.2592

0.0000

285.6730, 0.2776,
0.2631

■ 0.0000, 0.0000,
0.0000

■ 38.7835, 0.2454,
0.2113

■ 38.7835, 0.2454,
0.2113

■ 28.8347, 0.2246,
0.1760

■ 50.9998, 0.2653,
0.2456

■ 21.0099, 0.2040,
0.1416

■ 65.6073, 0.2837,
0.2775

■ 15.1555, 0.1851,
0.1109

■ 82.7255, 0.3000,
0.3063

■ 11.0952, 0.1694,
0.0864

100.0000, 0.3127,
0.3290

■ 8.6215, 0.1583,
0.0699

■ 7.4426, 0.1521,
0.0616

■ 7.3488, 0.1516,
0.0609

Harmonies

Analogous

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



38.7835, 0.1961, 0.2104



38.7835, 0.2454, 0.2113



38.7835, 0.3199, 0.2357

Triad

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



38.7835, 0.2454, 0.2113



38.7835, 0.4704, 0.3925



38.7835, 0.2231, 0.3815

Complementary

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



38.7835, 0.2454, 0.2113



93.8774, 0.3663, 0.4273

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.



38.7835, 0.2896, 0.4566



38.7835, 0.2454, 0.2113



38.7835, 0.4333, 0.4471

Square

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



38.7835, 0.2454, 0.2113



38.7835, 0.4607, 0.3336



38.7835, 0.3666, 0.4781



38.7835, 0.1837, 0.2962

Rectangle

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



38.7835, 0.2454, 0.2113



38.7835, 0.3759, 0.2628



38.7835, 0.3666, 0.4781



38.7835, 0.2429, 0.4103

Sweetspot

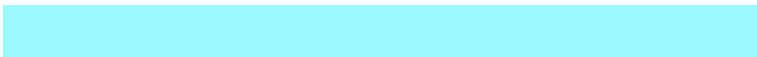
The Sweet Spot groups the original color and five complimentary colors.



38.7848, 0.2454, 0.2113



77.0065, 0.2950, 0.2975



81.6695, 0.2576, 0.3215



15.9956, 0.2929, 0.2938



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.



38.7848, 0.2454, 0.2113



30.4851, 0.2284, 0.1824



45.0103, 0.2822, 0.2224



17.4390, 0.2989, 0.3045



3.8622, 0.1521, 0.0612



0.3964, 0.1570, 0.0638

Inverse Universe

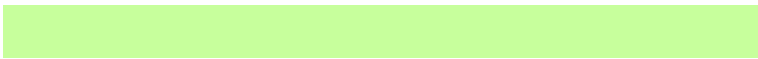
The Inverse Universe completely reimagines the original color for something new.



51.8157, 0.3229, 0.2388



45.3162, 0.3254, 0.2213



86.0491, 0.3332, 0.4391



18.2769, 0.3149, 0.3072



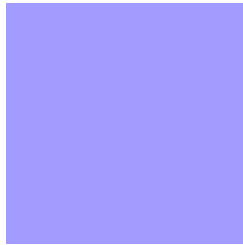
14.3124, 0.3395, 0.1644



1.3999, 0.3372, 0.1631

Previews

White Background



This preview shows how the Yxy color 38.7835, 0.2454, 0.2113 looks on a white background.

Color Contrast Check

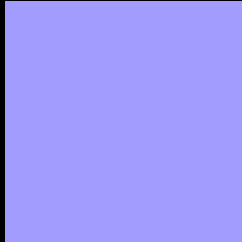
Large Text (above 18pt) WCAG AA × Fail

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 38.7835, 0.2454, 0.2113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

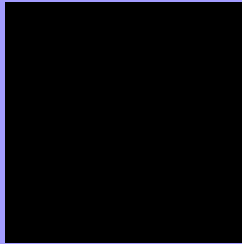
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7835, 0.2454, 0.2113

Background



This preview shows how black text looks on a background with the Yxy color 38.7835, 0.2454, 0.2113.



This preview shows how white text looks on a background with the Yxy color 38.7835, 0.2454, 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

38.7835, 0.2454, 0.2113

Protanopia

38.9218, 0.2293, 0.2160

Deuteranopia

38.8763, 0.2263, 0.2193



Tritanopia

38.7896, 0.2819, 0.3103

Trichromacy



Original Color

38.7835, 0.2454, 0.2113

Protanomaly

38.7295, 0.2346, 0.2139

Deuteranomaly

38.5719, 0.2323, 0.2152

Tritanomaly

38.6979, 0.2676, 0.2696

Monochromacy



Original Color

38.7835, 0.2454, 0.2113

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

38.9365, 0.2859, 0.2808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7835, 0.2454, 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(163, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 156, 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(163, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 156, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.7835, 0.2454, 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(163, 156, 255) }
```

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

```
.border{ border-color:rgb(163, 156, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 156,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7835, 0.2454, 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(163, 156, 255) }
```

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

```
.background{ background-color: rgb(163,  
156, 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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