

Converting Colors

$Y_{xy}(38.8205, 0.2458, 0.2184)$

Have a look what the booklet for
Yxy(38.8205, 0.2458, 0.2184)
contains.

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Color

Yxy(38.9675, 0.2453, 0.2185)

Conversions

Conversions Part 1

Format	Color
Hex	9E9FFA
RGB	158, 159, 250
RGB Percent	62%, 62%, 98%
CMY	0.3804, 0.3764, 0.0198
CMYK	0.37, 0.36, 0.00, 0.02
HSL	239°, 90%, 80%
HSV	239°, 37%, 98%
XYZ	43.7470, 38.9675, 95.6264
YIQ	169.0750, -29.8070, 28.0890

Conversions

Conversions Part 2

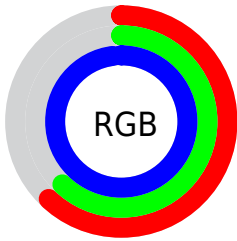
Format	Color
RYB	158, 159, 250
Decimal	10395642
CIELab	68.73, 20.84, -45.45
CIElCh	69, 49.998, 294.635
Yxy	38.9675, 0.2453, 0.2185
Android (android.graphics.Color)	4288585722 (0xFF9E9FFA)
YUV	169.0750, 39.8960, -9.7128
Hunter-Lab	62.4240, 15.8518, -47.1288

Details

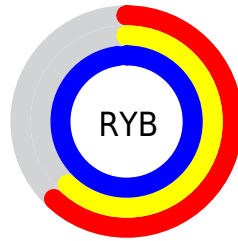
The Yxy color **38.9675, 0.2453, 0.2185** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **90.4980, 0.3685, 0.4198**, and the grayscale version is **39.5254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7602, 0.2871, 0.2856**, and **17.4589, 0.2267, 0.1923** is the 20% darker color. If you saturate the color by 10%, you get **29.0180, 0.2237, 0.1829**, and if you desaturate by 10%, it is **51.1350, 0.2661, 0.2526**.

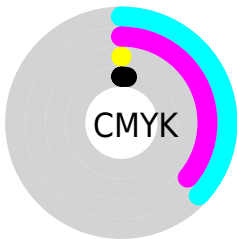
Distribution



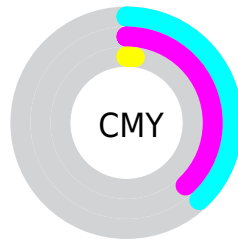
- Red (62%)
- Green (62%)
- Blue (98%)



- Red (62%)
- Yellow (62%)
- Blue (98%)



- Cyan (37%)
- Magenta (36%)
- Yellow (0%)
- Black (2%)



- Cyan (38%)
- Magenta (38%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9675, 0.2453, 0.2185 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 38.9675, 0.2453, 0.2185 by changing the saturation by 10% instead.

■ 38.9675, 0.2453,
0.2185

■ 38.9675, 0.2453,
0.2185

■ 341.7523, 0.2795,
0.2709

■ 26.7344, 0.2369,
0.2065

■ 73.5887, 0.2577,
0.2368

■ 17.3739, 0.2263,
0.1918

■ 96.7456, 0.2623,
0.2439

■ 10.5014, 0.2125,
0.1734

■ 124.3125, 0.2663,
0.2500

■ 5.7327, 0.1940,
0.1500

■ 156.6740, 0.2697,
0.2553

■ 2.6832, 0.1687,
0.1200

■ 194.2143, 0.2726,
0.2599

■ 0.9687, 0.1328,
0.0818

■ 237.3178, 0.2752,


■ 0.0000, 0.0719,

0.2640


0.0000


286.3690, 0.2775,
0.2676

 0.0000, 0.0000,
0.0000

 38.9675, 0.2453,
0.2185


 38.9675, 0.2453,
0.2185

 29.0180, 0.2237,
0.1829


 51.1350, 0.2661,
0.2526


 21.1489, 0.2024,
0.1478


 65.6384, 0.2852,
0.2839

 15.2139, 0.1831,
0.1158

 82.5924, 0.3023,
0.3120

 11.0462, 0.1675,
0.0897

 99.6798, 0.3156,
0.3338

 8.4505, 0.1567,
0.0716

■ 7.1841, 0.1512,
0.0622

■ 6.9602, 0.1501,
0.0605

Harmonies

Analogous

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



38.9675, 0.2015, 0.2203



38.9675, 0.2453, 0.2185



38.9675, 0.3125, 0.2393

Triad

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



38.9675, 0.2453, 0.2185



38.9675, 0.4591, 0.3842



38.9675, 0.2355, 0.3846

Complementary

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



38.9675, 0.2453, 0.2185



90.4980, 0.3685, 0.4198

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.



38.9675, 0.2991, 0.4489



38.9675, 0.2453, 0.2185



38.9675, 0.4294, 0.4349

Square

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



38.9675, 0.2453, 0.2185



38.9675, 0.4449, 0.3292



38.9675, 0.3701, 0.4645



38.9675, 0.1955, 0.3065

Rectangle

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



38.9675, 0.2453, 0.2185



38.9675, 0.3636, 0.2637



38.9675, 0.3701, 0.4645



38.9675, 0.2547, 0.4098

Sweetspot

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



38.9690, 0.2453, 0.2185



78.6246, 0.2953, 0.3006



82.4197, 0.2618, 0.3306



16.3128, 0.2930, 0.2968



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.



38.9690, 0.2453, 0.2185



33.0035, 0.2297, 0.1927



43.9684, 0.2781, 0.2267



16.6740, 0.2979, 0.3047



3.7067, 0.1502, 0.0607



0.3539, 0.1507, 0.0624

Inverse Universe

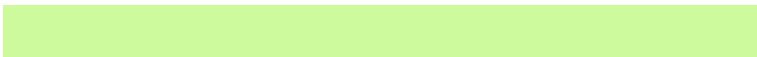
The Inverse Universe completely reimagines the original color for something new.



47.2709, 0.4019, 0.3282



42.8601, 0.4292, 0.3280



83.8676, 0.3374, 0.4310



17.2284, 0.3292, 0.3288



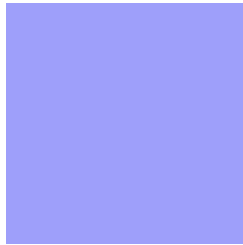
10.7851, 0.6389, 0.3293



1.0000, 0.6361, 0.3278

Previews

White Background



This preview shows how the Yxy color 38.9675, 0.2453, 0.2185 looks on a white background.

Color Contrast Check

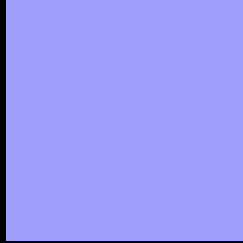
Large Text (above 18pt) WCAG AA × Fail

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 38.9675, 0.2453, 0.2185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

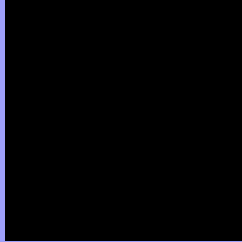
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9675, 0.2453, 0.2185

Background



This preview shows how black text looks on a background with the Yxy color 38.9675, 0.2453, 0.2185.



This preview shows how white text looks on a background with the Yxy color 38.9675, 0.2453, 0.2185.

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

38.9675, 0.2453, 0.2185

Protanopia

39.0052, 0.2299, 0.2162

Deuteranopia

38.9553, 0.2314, 0.2248



Tritanopia

38.8899, 0.2774, 0.3088

Trichromacy



Original Color

38.9675, 0.2453, 0.2185

Protanomaly

38.8618, 0.2352, 0.2168

Deuteranomaly

38.6967, 0.2356, 0.2214

Tritanomaly

38.5368, 0.2646, 0.2717

Monochromacy



Original Color

38.9675, 0.2453, 0.2185

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

38.9868, 0.2858, 0.2845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9675, 0.2453, 0.2185 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(158, 159, 250)` looks like.

```
.text, #text, p{  
    color:rgb(158, 159, 250)  
}
```

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(158, 159, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 159, 250) }
```

Border

The CSS property to change the border of an element to Yxy 38.9675, 0.2453, 0.2185 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(158, 159, 250) }
```

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

```
.border{ border-color:rgb(158, 159, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 159, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 159, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 159, 250);  
box-shadow:4px 4px 4px 4px rgb(158, 159,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9675, 0.2453, 0.2185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 159, 250) }
```

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

```
.background{ background-color: rgb(158,  
159, 250) }
```

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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