

Converting Colors

$Y_{xy}(39.8950, 0.2375, 0.2227)$

Have a look what the booklet for
Yxy(39.8950, 0.2375, 0.2227)
contains.

Yxy(39.8950, 0.2375, 0.2227)	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(39.8950, 0.2375, 0.2227)

Conversions

Conversions Part 1

Format	Color
Hex	91A5FB
RGB	145, 165, 251
RGB Percent	57%, 65%, 98%
CMY	0.4312, 0.3530, 0.0158
CMYK	0.42, 0.34, 0.00, 0.02
HSL	229°, 93%, 78%
HSV	229°, 42%, 98%
XYZ	42.5463, 39.8950, 96.7010
YIQ	168.8240, -39.5260, 22.5060

Conversions

Conversions Part 2

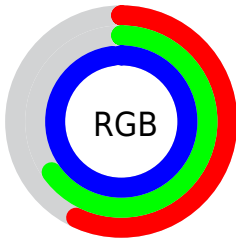
Format	Color
R _Y B	145, 162, 251
Decimal	9545211
CIE Lab	69.39, 14.40, -45.01
CIE LCh	69, 47.260, 287.742
Yxy	39.8950, 0.2375, 0.2227
Android (android.graphics.Color)	4287735291 (0xFF91A5FB)
YUV	168.8240, 40.5128, -20.8936
Hunter-Lab	63.1625, 9.7034, -46.5586

Details

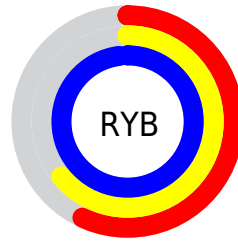
The Yxy color **39.8950, 0.2375, 0.2227** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **79.7121, 0.3836, 0.4162**, and the grayscale version is **39.3997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9630, 0.2791, 0.2912**, and **17.8291, 0.2171, 0.1959** is the 20% darker color. If you saturate the color by 10%, you get **31.0898, 0.2178, 0.1923**, and if you desaturate by 10%, it is **50.3769, 0.2571, 0.2518**.

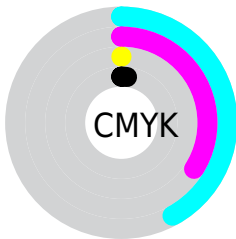
Distribution



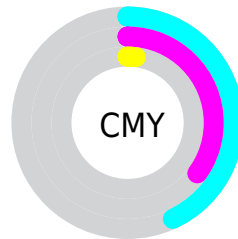
- Red (57%)
- Green (65%)
- Blue (98%)



- Red (57%)
- Yellow (64%)
- Blue (98%)



- Cyan (42%)
- Magenta (34%)
- Yellow (0%)
- Black (2%)





- Cyan (43%)
- Magenta (35%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8950, 0.2375, 0.2227 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 39.8950, 0.2375, 0.2227 by changing the saturation by 10% instead.


 39.8950, 0.2375,
0.2227


 39.8950, 0.2375,
0.2227


345.6808, 0.2751,
0.2735

 27.4567, 0.2284,
0.2110


 75.0036, 0.2510,
0.2405

 17.9165, 0.2170,
0.1966


 98.4427, 0.2561,
0.2473

 10.8901, 0.2023,
0.1785


126.3175, 0.2605,
0.2532

 5.9930, 0.1829,
0.1555

159.0123, 0.2642,
0.2584

 2.8408, 0.1566,
0.1257

196.9117, 0.2675,
0.2628

 1.0492, 0.1202,
0.0873

240.4000, 0.2703,

 0.0000, 0.0546,

0.2668

0.0000

289.8616, 0.2728,
0.2703

0.0000, 0.0000,
0.0000

39.8950, 0.2375,
0.2227

39.8950, 0.2375,
0.2227

31.0898, 0.2178,
0.1923

50.3769, 0.2571,
0.2518

23.8682, 0.1990,
0.1618

62.6133, 0.2759,
0.2787

18.1344, 0.1822,
0.1329

76.6822, 0.2934,
0.3030

13.7796, 0.1686,
0.1075

92.6556, 0.3094,
0.3246

10.6789, 0.1591,
0.0872

99.7433, 0.3150,
0.3328

■ 9.0183, 0.1543,
0.0755

Harmonies

Analogous

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



39.8950, 0.2014, 0.2302



39.8950, 0.2375, 0.2227



39.8950, 0.2968, 0.2378

Triad

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



39.8950, 0.2375, 0.2227



39.8950, 0.4511, 0.3702



39.8950, 0.2526, 0.3973

Complementary

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



39.8950, 0.2375, 0.2227



79.7121, 0.3836, 0.4162

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.



39.8950, 0.3160, 0.4485



39.8950, 0.2375, 0.2227



39.8950, 0.4325, 0.4198

Square

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



39.8950, 0.2375, 0.2227



39.8950, 0.4275, 0.3182



39.8950, 0.3820, 0.4530



39.8950, 0.2084, 0.3243

Rectangle

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



39.8950, 0.2375, 0.2227



39.8950, 0.3442, 0.2586



39.8950, 0.3820, 0.4530



39.8950, 0.2723, 0.4187

Sweetspot

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



39.8965, 0.2375, 0.2227



78.2647, 0.2921, 0.3012



80.7019, 0.2648, 0.3536



16.0338, 0.2883, 0.2960



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.



39.8965, 0.2375, 0.2227



33.2129, 0.2201, 0.1959



36.5539, 0.2562, 0.2053



17.1719, 0.2979, 0.3091



4.8955, 0.1549, 0.0776



0.5907, 0.1604, 0.0973

Inverse Universe

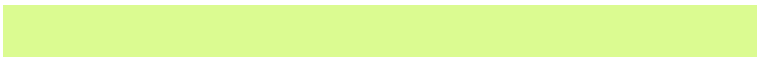
The Inverse Universe completely reimagines the original color for something new.



43.4849, 0.4016, 0.3080



38.0988, 0.4313, 0.3042



86.1128, 0.3536, 0.4421



17.2786, 0.3264, 0.3246



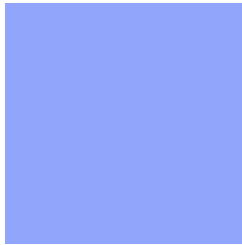
10.9051, 0.6108, 0.3138



1.0239, 0.5799, 0.2968

Previews

White Background



This preview shows how the Yxy color 39.8950, 0.2375, 0.2227 looks on a white background.

Color Contrast Check

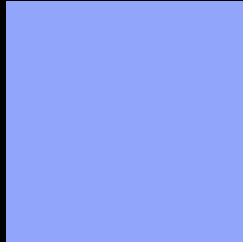
Large Text (above 18pt) WCAG AA × Fail

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 39.8950, 0.2375, 0.2227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

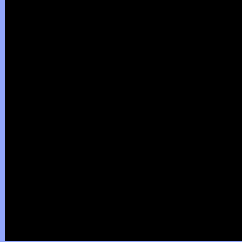
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8950, 0.2375, 0.2227

Background



This preview shows how black text looks on a background with the Yxy color 39.8950, 0.2375, 0.2227.



This preview shows how white text looks on a background with the Yxy color 39.8950, 0.2375, 0.2227.

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

39.8950, 0.2375, 0.2227

Protanopia

39.8762, 0.2341, 0.2222

Deuteranopia

39.8939, 0.2315, 0.2256



Tritanopia

39.8730, 0.2645, 0.3085

Trichromacy



Original Color

39.8950, 0.2375, 0.2227

Protanomaly

40.0515, 0.2353, 0.2225

Deuteranomaly

39.8579, 0.2336, 0.2249

Tritanomaly

39.8421, 0.2540, 0.2739

Monochromacy



Original Color

39.8950, 0.2375, 0.2227

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.6024, 0.2811, 0.2869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8950, 0.2375, 0.2227 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(145, 165, 251)` looks like.

```
.text, #text, p{  
    color:rgb(145, 165, 251)  
}
```

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(145, 165, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 165, 251) }
```

Border

The CSS property to change the border of an element to Yxy 39.8950, 0.2375, 0.2227 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(145, 165, 251) }
```

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

```
.border{ border-color:rgb(145, 165, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 165, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 165, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 165, 251);  
box-shadow:4px 4px 4px 4px rgb(145, 165,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8950, 0.2375, 0.2227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 165, 251) }
```

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

```
.background{ background-color: rgb(145,  
165, 251) }
```

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