

Converting Colors

$Yxy(39.8471, 0.2432, 0.2263)$

Have a look what the booklet for
Yxy(39.8471, 0.2432, 0.2263)
contains.

Yxy(39.8456, 0.2432, 0.2263)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.8456, 0.2432, 0.2263)

Conversions

Conversions Part 1

Format	Color
Hex	97A4F7
RGB	151, 164, 247
RGB Percent	59%, 64%, 97%
CMY	0.4079, 0.3568, 0.0315
CMYK	0.39, 0.34, 0.00, 0.03
HSL	232°, 86%, 78%
HSV	232°, 39%, 97%
XYZ	42.8213, 39.8456, 93.4074
YIQ	169.5750, -34.3910, 23.0570

Conversions

Conversions Part 2

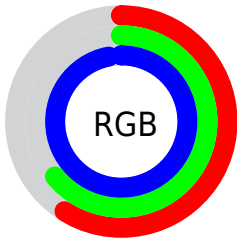
Format	Color
RYB	151, 162, 247
Decimal	9938167
CIELab	69.36, 15.38, -42.87
CIELCh	69, 45.539, 289.733
Yxy	39.8456, 0.2432, 0.2263
Android (android.graphics.Color)	4288128247 (0xFF97A4F7)
YUV	169.5750, 38.1705, -16.2903
Hunter-Lab	63.1234, 10.6239, -43.5486

Details

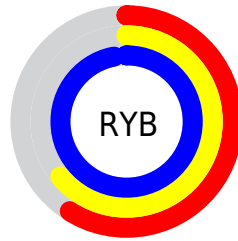
The Yxy color **39.8456, 0.2432, 0.2263** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **80.8226, 0.3758, 0.4141**, and the grayscale version is **39.7958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2929, 0.2828, 0.2905**, and **17.7928, 0.2242, 0.2004** is the 20% darker color. If you saturate the color by 10%, you get **30.7159, 0.2229, 0.1944**, and if you desaturate by 10%, it is **50.7556, 0.2631, 0.2566**.

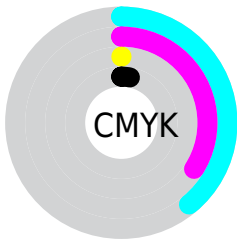
Distribution



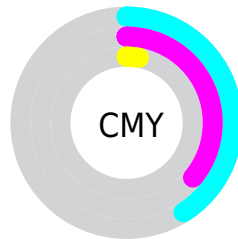
- Red (59%)
- Green (64%)
- Blue (97%)



- Red (59%)
- Yellow (64%)
- Blue (97%)



- Cyan (39%)
- Magenta (34%)
- Yellow (0%)
- Black (3%)




- Cyan (41%)
- Magenta (36%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8456, 0.2432, 0.2263 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 39.8456, 0.2432, 0.2263 by changing the saturation by 10% instead.

 39.8456, 0.2432,
0.2263


 39.8456, 0.2432,
0.2263

345.4724, 0.2781,
0.2755

 27.4182, 0.2347,
0.2149


 74.9283, 0.2558,
0.2435

 17.8875, 0.2239,
0.2009

 98.3525, 0.2606,
0.2502

 10.8693, 0.2100,
0.1832


126.2109, 0.2646,
0.2559

 5.9790, 0.1914,
0.1604

158.8881, 0.2681,
0.2609

 2.8323, 0.1658,
0.1308

196.7685, 0.2711,
0.2652

 1.0448, 0.1298,
0.0920

240.2364, 0.2737,

 0.0000, 0.0635,

0.2690

0.0000

289.6762, 0.2760,
0.2724

0.0000, 0.0000,
0.0000

39.8456, 0.2432,
0.2263

39.8456, 0.2432,
0.2263

30.7159, 0.2229,
0.1944

50.7556, 0.2631,
0.2566

23.2668, 0.2030,
0.1624

63.5294, 0.2818,
0.2844

17.3958, 0.1850,
0.1320

78.2505, 0.2989,
0.3093

12.9868, 0.1701,
0.1053

94.9960, 0.3144,
0.3314

9.9072, 0.1593,
0.0843

99.4938, 0.3174,
0.3367

■ 7.9893, 0.1530,
0.0701

■ 7.8295, 0.1525,
0.0688

Harmonies

Analogous

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



39.8456, 0.2064, 0.2322



39.8456, 0.2432, 0.2263



39.8456, 0.3019, 0.2423

Triad

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



39.8456, 0.2432, 0.2263



39.8456, 0.4463, 0.3728



39.8456, 0.2513, 0.3903

Complementary

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



39.8456, 0.2432, 0.2263



80.8226, 0.3758, 0.4141

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.



39.8456, 0.3119, 0.4418



39.8456, 0.2432, 0.2263



39.8456, 0.4262, 0.4200

Square

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



39.8456, 0.2432, 0.2263



39.8456, 0.4261, 0.3221



39.8456, 0.3760, 0.4497



39.8456, 0.2099, 0.3203

Rectangle

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



39.8456, 0.2432, 0.2263



39.8456, 0.3478, 0.2632



39.8456, 0.3760, 0.4497



39.8456, 0.2700, 0.4113

Sweetspot

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



39.8471, 0.2432, 0.2263



78.9216, 0.2937, 0.3018



78.9427, 0.2656, 0.3456



16.4420, 0.2915, 0.2986



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.



39.8471, 0.2432, 0.2263



34.6479, 0.2265, 0.2002



39.1069, 0.2655, 0.2174



16.2891, 0.2979, 0.3079



4.2576, 0.1529, 0.0705



0.4849, 0.1579, 0.0883

Inverse Universe

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



44.5805, 0.3967, 0.3151



40.8775, 0.4245, 0.3124



82.9422, 0.3474, 0.4340



16.5191, 0.3272, 0.3258



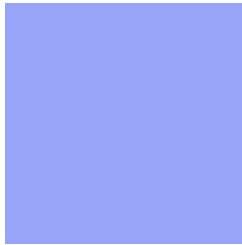
10.5292, 0.6224, 0.3202



0.9366, 0.5938, 0.3045

Previews

White Background



This preview shows how the Yxy color 39.8456, 0.2432, 0.2263 looks on a white background.

Color Contrast Check

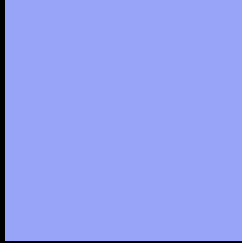
Large Text (above 18pt) WCAG AA × Fail

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 39.8456, 0.2432, 0.2263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

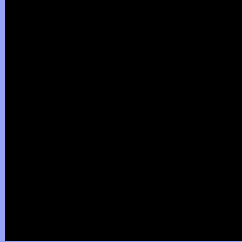
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8456, 0.2432, 0.2263

Background



This preview shows how black text looks on a background with the Yxy color 39.8456, 0.2432, 0.2263.



This preview shows how white text looks on a background with the Yxy color 39.8456, 0.2432, 0.2263.

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

39.8456, 0.2432, 0.2263

Protanopia

39.7747, 0.2362, 0.2252

Deuteranopia

39.9774, 0.2358, 0.2302



Tritanopia

39.6960, 0.2705, 0.3073

Trichromacy



Original Color

39.8456, 0.2432, 0.2263

Protanomaly

39.7073, 0.2390, 0.2256

Deuteranomaly

40.0420, 0.2386, 0.2296

Tritanomaly

39.5798, 0.2596, 0.2742

Monochromacy



Original Color

39.8456, 0.2432, 0.2263

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.8690, 0.2843, 0.2884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8456, 0.2432, 0.2263 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(151, 164, 247)` looks like.

```
.text, #text, p{  
    color:rgb(151, 164, 247)  
}
```

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(151, 164, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 164, 247) }
```

Border

The CSS property to change the border of an element to Yxy 39.8456, 0.2432, 0.2263 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(151, 164, 247) }
```

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

```
.border{ border-color:rgb(151, 164, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 164, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 164, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 164, 247);  
box-shadow:4px 4px 4px 4px rgb(151, 164,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8456, 0.2432, 0.2263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 164, 247) }
```

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

```
.background{ background-color: rgb(151,  
164, 247) }
```

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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