

Converting Colors

$Y_{xy}(41.9539, 0.2424, 0.2234)$

Have a look what the booklet for
Yxy(41.9539, 0.2424, 0.2234)
contains.

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Color

Yxy(41.8260, 0.2421, 0.2231)

Conversions

Conversions Part 1

Format	Color
Hex	9BA7FF
RGB	155, 167, 255
RGB Percent	61%, 65%, 100%
CMY	0.3920, 0.3451, 0.0001
CMYK	0.39, 0.35, 0.00, 0.00
HSL	233°, 100%, 80%
HSV	233°, 39%, 100%
XYZ	45.3881, 41.8260, 100.2624
YIQ	173.4440, -35.4000, 24.8240

Conversions

Conversions Part 2

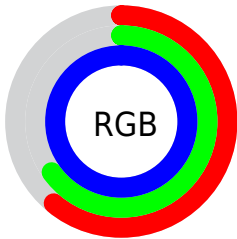
Format	Color
R _Y B	155, 166, 255
Decimal	10201087
CIE Lab	70.75, 16.89, -45.01
CIE LCh	71, 48.070, 290.569
Yxy	41.8260, 0.2421, 0.2231
Android (android.graphics.Color)	4288391167 (0xFF9BA7FF)
YUV	173.4440, 40.2071, -16.1754
Hunter-Lab	64.6730, 12.0950, -46.6460

Details

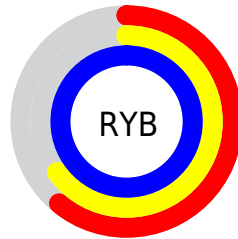
The Yxy color **41.8260, 0.2421, 0.2231** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **87.7339, 0.3759, 0.4163**, and the grayscale version is **41.8361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4596, 0.2855, 0.2941**, and **18.9913, 0.2227, 0.1970** is the 20% darker color. If you saturate the color by 10%, you get **32.0418, 0.2215, 0.1906**, and if you desaturate by 10%, it is **53.5733, 0.2622, 0.2541**.

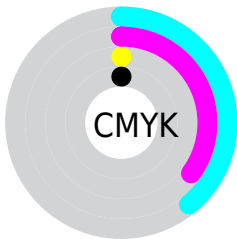
Distribution



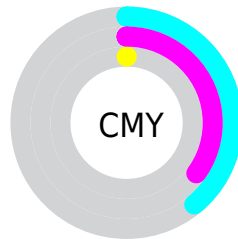
- Red (61%)
- Green (65%)
- Blue (100%)



- Red (61%)
- Yellow (65%)
- Blue (100%)



- Cyan (39%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (39%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8260, 0.2421, 0.2231 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 41.8260, 0.2421, 0.2231 by changing the saturation by 10% instead.

■ 41.8260, 0.2421,
0.2231

■ 41.8260, 0.2421,
0.2231

■ 353.7611, 0.2773,
0.2731

■ 28.9651, 0.2336,
0.2117

■ 77.9362, 0.2547,
0.2405

■ 19.0544, 0.2230,
0.1977

■ 101.9543, 0.2595,
0.2473

■ 11.7096, 0.2092,
0.1802

■ 130.4602, 0.2636,
0.2531

■ 6.5463, 0.1911,
0.1580

■ 163.8383, 0.2671,
0.2582

■ 3.1800, 0.1665,
0.1293

■ 202.4731, 0.2701,
0.2626

■ 1.2264, 0.1322,
0.0923

■ 246.7489, 0.2728,

■ 0.0831, 0.0810,

0.2665


0.0137


297.0501, 0.2752,
0.2700

 0.0000, 0.0000,
0.0000

 41.8260, 0.2421,
0.2231


 41.8260, 0.2421,
0.2231


 32.0418, 0.2215,
0.1906


 53.5733, 0.2622,
0.2541

 24.1086, 0.2016,
0.1581


 67.3783, 0.2811,
0.2826

 17.9097, 0.1835,
0.1276

 83.3351, 0.2984,
0.3081

 13.3135, 0.1687,
0.1013

99.9980, 0.3127,
0.3290

 10.1685, 0.1583,
0.0810

■ 8.2814, 0.1523,
0.0678

■ 8.1720, 0.1520,
0.0671

Harmonies

Analogous

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



41.8260, 0.2036, 0.2284



41.8260, 0.2421, 0.2231



41.8260, 0.3033, 0.2402

Triad

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



41.8260, 0.2421, 0.2231



41.8260, 0.4513, 0.3752



41.8260, 0.2473, 0.3909

Complementary

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



41.8260, 0.2421, 0.2231



87.7339, 0.3759, 0.4163

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.



41.8260, 0.3096, 0.4457



41.8260, 0.2421, 0.2231



41.8260, 0.4290, 0.4240

Square

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



41.8260, 0.2421, 0.2231



41.8260, 0.4316, 0.3229



41.8260, 0.3762, 0.4547



41.8260, 0.2055, 0.3177

Rectangle

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



41.8260, 0.2421, 0.2231



41.8260, 0.3510, 0.2620



41.8260, 0.3762, 0.4547



41.8260, 0.2665, 0.4131

Sweetspot

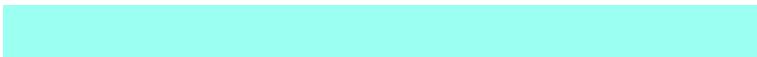
The Sweet Spot groups the original color and five complimentary colors.



41.8275, 0.2421, 0.2231



78.6512, 0.2937, 0.3013



84.8633, 0.2644, 0.3439



16.3789, 0.2915, 0.2980



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.



41.8275, 0.2421, 0.2231



34.0323, 0.2260, 0.1978



41.8410, 0.2662, 0.2165



17.7276, 0.2979, 0.3074



4.3805, 0.1524, 0.0686



0.5329, 0.1565, 0.0833

Inverse Universe

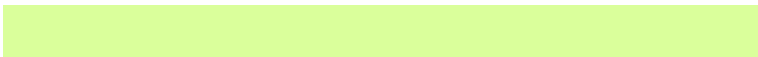
The Inverse Universe completely reimagines the original color for something new.



47.5019, 0.3995, 0.3167



40.8153, 0.4267, 0.3144



88.8252, 0.3466, 0.4355



18.0224, 0.3275, 0.3262



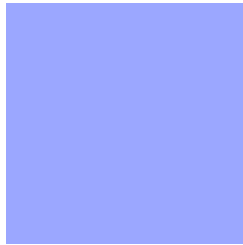
11.1702, 0.6256, 0.3220



1.0983, 0.6017, 0.3088

Previews

White Background



This preview shows how the Yxy color 41.8260, 0.2421, 0.2231 looks on a white background.

Color Contrast Check

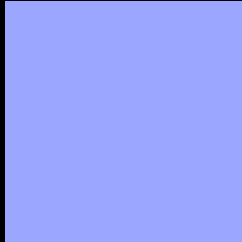
Large Text (above 18pt) WCAG AA × Fail

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 41.8260, 0.2421, 0.2231 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 41.8260, 0.2421, 0.2231

Background



This preview shows how black text looks on a background with the Yxy color 41.8260, 0.2421, 0.2231.



This preview shows how white text looks on a background with the Yxy color 41.8260, 0.2421, 0.2231.

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

41.8260, 0.2421, 0.2231

Protanopia

41.8987, 0.2359, 0.2250

Deuteranopia

42.0641, 0.2334, 0.2276



Tritanopia

41.7107, 0.2706, 0.3077

Trichromacy



Original Color

41.8260, 0.2421, 0.2231

Protanomaly

41.8918, 0.2381, 0.2244

Deuteranomaly

41.8345, 0.2364, 0.2260

Tritanomaly

41.6376, 0.2593, 0.2740

Monochromacy



Original Color

41.8260, 0.2421, 0.2231

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.5446, 0.2833, 0.2866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8260, 0.2421, 0.2231 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(155, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(155, 167, 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(155, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 167, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.8260, 0.2421, 0.2231 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(155, 167, 255) }
```

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

```
.border{ border-color:rgb(155, 167, 255) }
```

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

Here you see how a box with a 4 pixel rgb(155, 167, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(155, 167,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8260, 0.2421, 0.2231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 167, 255) }
```

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

```
.background{ background-color: rgb(155,  
167, 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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