

Converting Colors

$Y_{xy}(41.9842, 0.2470, 0.2223)$

Have a look what the booklet for
Yxy(41.9842, 0.2470, 0.2223)
contains.

Yxy(41.9168, 0.2469, 0.2221)	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(41.9168, 0.2469, 0.2221)

Conversions

Conversions Part 1

Format	Color
Hex	A3A5FF
RGB	163, 165, 255
RGB Percent	64%, 65%, 100%
CMY	0.3610, 0.3528, 0.0001
CMYK	0.36, 0.35, 0.00, 0.00
HSL	239°, 100%, 82%
HSV	239°, 36%, 100%
XYZ	46.5973, 41.9168, 100.2153
YIQ	174.6620, -30.0820, 27.5660

Conversions

Conversions Part 2

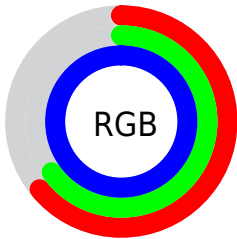
Format	Color
RYB	163, 165, 255
Decimal	10724863
CIELab	70.81, 20.06, -44.87
CIELCh	71, 49.147, 294.088
Yxy	41.9168, 0.2469, 0.2221
Android (android.graphics.Color)	4288914943 (0xFFA3A5FF)
YUV	174.6620, 39.6066, -10.2276
Hunter-Lab	64.7432, 15.1703, -46.4542

Details

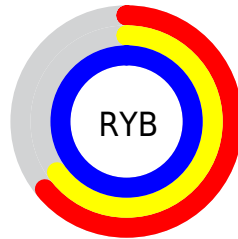
The Yxy color **41.9168, 0.2469, 0.2221** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **94.0818, 0.3679, 0.4174**, and the grayscale version is **42.4870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6220, 0.2906, 0.2924**, and **19.0133, 0.2282, 0.1958** is the 20% darker color. If you saturate the color by 10%, you get **31.3607, 0.2254, 0.1869**, and if you desaturate by 10%, it is **54.7703, 0.2675, 0.2557**.

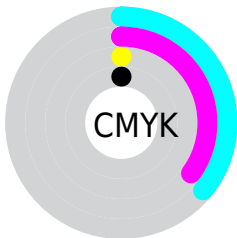
Distribution



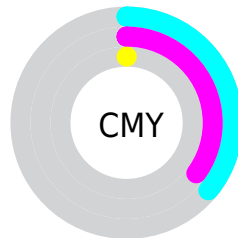
- Red (64%)
- Green (65%)
- Blue (100%)



- Red (64%)
- Yellow (65%)
- Blue (100%)



- Cyan (36%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9168, 0.2469, 0.2221 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 41.9168, 0.2469, 0.2221 by changing the saturation by 10% instead.


 41.9168, 0.2469,
0.2221


 41.9168, 0.2469,
0.2221


354.1379, 0.2799,
0.2724

 29.0361, 0.2389,
0.2107


 78.0737, 0.2588,
0.2396

 19.1082, 0.2288,
0.1967


 102.1187, 0.2633,
0.2463

 11.7485, 0.2158,
0.1793


130.6540, 0.2671,
0.2522

 6.5726, 0.1985,
0.1571

164.0639, 0.2704,
0.2573

 3.1963, 0.1748,
0.1286

202.7329, 0.2732,
0.2618

 1.2351, 0.1414,
0.0920

247.0453, 0.2757,

 0.0901, 0.0936,

0.2657

0.0146

297.3855, 0.2779,
0.2692

0.0000, 0.0000,
0.0000

41.9168, 0.2469,
0.2221

41.9168, 0.2469,
0.2221

31.3607, 0.2254,
0.1869

54.7703, 0.2675,
0.2557

22.9623, 0.2042,
0.1518

70.0403, 0.2864,
0.2865

16.5740, 0.1847,
0.1196

87.8436, 0.3034,
0.3140

12.0279, 0.1687,
0.0928

99.9980, 0.3127,
0.3290

9.1290, 0.1575,
0.0736

■ 7.6379, 0.1515,
0.0631

■ 7.3426, 0.1503,
0.0609

Harmonies

Analogous

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



41.9168, 0.2048, 0.2245



41.9168, 0.2469, 0.2221



41.9168, 0.3114, 0.2419

Triad

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



41.9168, 0.2469, 0.2221



41.9168, 0.4536, 0.3819



41.9168, 0.2396, 0.3836

Complementary

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



41.9168, 0.2469, 0.2221



94.0818, 0.3679, 0.4174

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.



41.9168, 0.3013, 0.4442



41.9168, 0.2469, 0.2221



41.9168, 0.4262, 0.4307

Square

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



41.9168, 0.2469, 0.2221



41.9168, 0.4388, 0.3287



41.9168, 0.3697, 0.4588



41.9168, 0.2002, 0.3090

Rectangle

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



41.9168, 0.2469, 0.2221



41.9168, 0.3604, 0.2654



41.9168, 0.3697, 0.4588



41.9168, 0.2583, 0.4074

Sweetspot

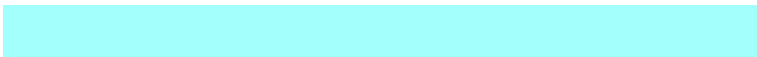
The Sweet Spot groups the original color and five complimentary colors.



41.9184, 0.2469, 0.2221



78.7997, 0.2953, 0.3009



86.3035, 0.2633, 0.3322



16.3541, 0.2930, 0.2971



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.



41.9184, 0.2469, 0.2221



34.3948, 0.2321, 0.1978



46.5017, 0.2777, 0.2284



17.4432, 0.2978, 0.3050



3.8661, 0.1504, 0.0613



0.3985, 0.1513, 0.0646

Inverse Universe

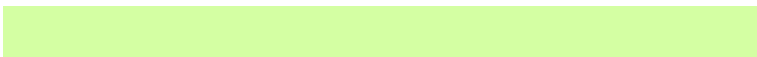
The Inverse Universe completely reimagines the original color for something new.



50.1488, 0.3986, 0.3271



43.7503, 0.4238, 0.3267



88.1437, 0.3381, 0.4286



17.9937, 0.3291, 0.3285



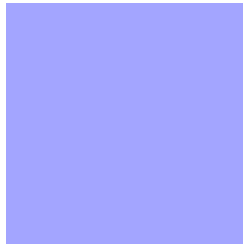
11.1182, 0.6378, 0.3287



1.0848, 0.6324, 0.3257

Previews

White Background



This preview shows how the Yxy color 41.9168, 0.2469, 0.2221 looks on a white background.

Color Contrast Check

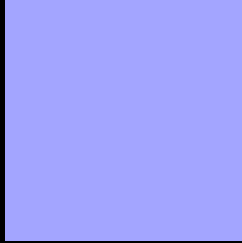
Large Text (above 18pt) WCAG AA × Fail

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 41.9168, 0.2469, 0.2221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

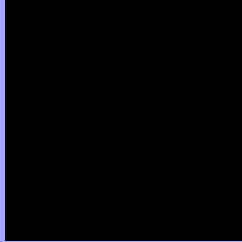
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.9168, 0.2469, 0.2221

Background



This preview shows how black text looks on a background with the Yxy color 41.9168, 0.2469, 0.2221.



This preview shows how white text looks on a background with the Yxy color 41.9168, 0.2469, 0.2221.

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

41.9168, 0.2469, 0.2221

Protanopia

41.8987, 0.2359, 0.2250

Deuteranopia

42.1498, 0.2339, 0.2278



Tritanopia

42.0361, 0.2785, 0.3094

Trichromacy



Original Color

41.9168, 0.2469, 0.2221

Protanomaly

41.8046, 0.2397, 0.2236

Deuteranomaly

41.8276, 0.2386, 0.2253

Tritanomaly

41.6635, 0.2660, 0.2734

Monochromacy



Original Color

41.9168, 0.2469, 0.2221

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.1434, 0.2866, 0.2858

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9168, 0.2469, 0.2221 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, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 165, 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, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 165, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.9168, 0.2469, 0.2221 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, 165, 255) }
```

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

```
.border{ border-color:rgb(163, 165, 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, 165, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 165,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9168, 0.2469, 0.2221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 165, 255) }
```

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

```
.background{ background-color: rgb(163,  
165, 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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