

# Converting Colors

$Y_{xy}(41.7336, 0.2443, 0.2261)$

Have a look what the booklet for  
Yxy(41.7336, 0.2443, 0.2261)  
contains.

<b>Yxy(41.7336, 0.2443, 0.2261)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(41.7336, 0.2443, 0.2261)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CA7FC
RGB	156, 167, 252
RGB Percent	61%, 65%, 99%
CMY	0.3883, 0.3450, 0.0119
CMYK	0.38, 0.34, 0.00, 0.01
HSL	233°, 94%, 80%
HSV	233°, 38%, 99%
XYZ	45.0930, 41.7336, 97.7537
YIQ	173.4010, -33.8410, 24.1030

# Conversions

## Conversions Part 2

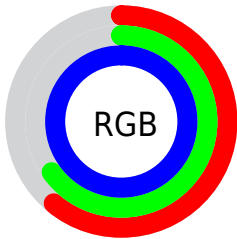
Format	Color
R <sub>Y</sub> B	156, 166, 252
Decimal	10266620
CIE Lab	70.69, 16.32, -43.48
CIE LCh	71, 46.440, 290.569
Yxy	41.7336, 0.2443, 0.2261
Android (android.graphics.Color)	4288456700 (0xFF9CA7FC)
YUV	173.4010, 38.7493, -15.2607
Hunter-Lab	64.6015, 11.5433, -44.4953

# Details

The Yxy color **41.7336, 0.2443, 0.2261** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **85.9665, 0.3739, 0.4143**, and the grayscale version is **41.8150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6087, 0.2861, 0.2941**, and **18.9109, 0.2252, 0.2005** is the 20% darker color. If you saturate the color by 10%, you get **31.9978, 0.2237, 0.1936**, and if you desaturate by 10%, it is **53.4028, 0.2643, 0.2570**.

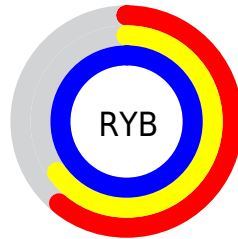
# Distribution



Red (61%)

Green (65%)

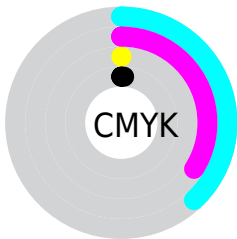
Blue (99%)



Red (61%)

Yellow (65%)

Blue (99%)

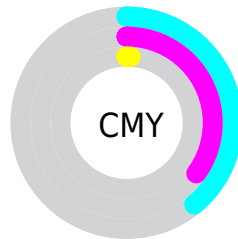


Cyan (38%)

Magenta (34%)

Yellow (0%)

Black (1%)



Cyan (39%)

Magenta (35%)


Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7336, 0.2443, 0.2261 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 41.7336, 0.2443, 0.2261 by changing the saturation by 10% instead.




 41.7336, 0.2443,  
0.2261


 41.7336, 0.2443,  
0.2261


353.3774, 0.2784,  
0.2749

 28.8928, 0.2360,  
0.2149


 77.7963, 0.2566,  
0.2431

 18.9997, 0.2256,  
0.2011


 101.7869, 0.2612,  
0.2497

 11.6701, 0.2122,  
0.1839


130.2629, 0.2652,  
0.2554

 6.5194, 0.1944,  
0.1618

163.6087, 0.2686,  
0.2603

 3.1634, 0.1700,  
0.1332

202.2086, 0.2715,  
0.2647

 1.2176, 0.1357,  
0.0959

246.4471, 0.2741,

 0.0760, 0.0829,

0.2685


0.0134


296.7086, 0.2764,  
0.2719


 0.0000, 0.0000,  
0.0000

 41.7336, 0.2443,  
0.2261

 41.7336, 0.2443,  
0.2261


 31.9978, 0.2237,  
0.1936


 53.4028, 0.2643,  
0.2570

 24.0859, 0.2036,  
0.1609


 67.0976, 0.2831,  
0.2853

 17.8847, 0.1852,  
0.1300

 82.9097, 0.3002,  
0.3107

 13.2660, 0.1700,  
0.1031

 99.8068, 0.3145,  
0.3319

 10.0836, 0.1590,  
0.0823

■ 8.1569, 0.1527,  
0.0685

■ 7.9038, 0.1519,  
0.0667

# Harmonies

## Analogous

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



41.7336, 0.2068, 0.2314



41.7336, 0.2443, 0.2261



41.7336, 0.3037, 0.2427

# Triad

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



41.7336, 0.2443, 0.2261



41.7336, 0.4468, 0.3743



41.7336, 0.2495, 0.3887

# Complementary

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



41.7336, 0.2443, 0.2261



85.9665, 0.3739, 0.4143

# 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.



41.7336, 0.3100, 0.4415



41.7336, 0.2443, 0.2261



41.7336, 0.4255, 0.4214

# Square

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



41.7336, 0.2443, 0.2261



41.7336, 0.4277, 0.3234



41.7336, 0.3745, 0.4505



41.7336, 0.2087, 0.3183



# Rectangle

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



41.7336, 0.2443, 0.2261



41.7336, 0.3499, 0.2640



41.7336, 0.3745, 0.4505



41.7336, 0.2681, 0.4100

# Sweetspot

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



41.7352, 0.2443, 0.2261



80.2335, 0.2954, 0.3036



83.0093, 0.2648, 0.3415



16.6924, 0.2931, 0.3002



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.



41.7352, 0.2443, 0.2261



34.7901, 0.2280, 0.2004



42.1050, 0.2691, 0.2205



16.9642, 0.2979, 0.3073



4.2232, 0.1523, 0.0682



0.4918, 0.1565, 0.0833



# Inverse Universe

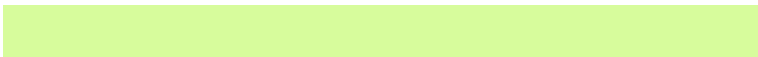
The Inverse Universe completely reimagines the original color for something new.



47.2515, 0.3964, 0.3175



41.5913, 0.4236, 0.3153



86.4794, 0.3446, 0.4327



17.2576, 0.3276, 0.3263



10.8372, 0.6263, 0.3224

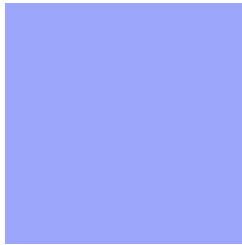


1.0139, 0.6017, 0.3088



# Previews

## White Background



This preview shows how the Yxy color 41.7336, 0.2443, 0.2261 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

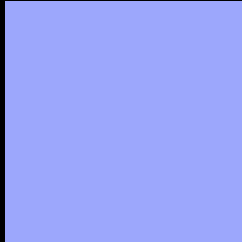
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.7336, 0.2443, 0.2261 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

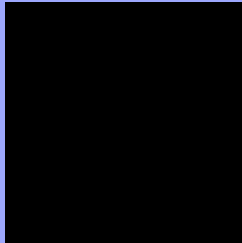
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.7336, 0.2443, 0.2261**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.7336, 0.2443, 0.2261.



This preview shows how white text looks on a background with the Yxy color 41.7336, 0.2443, 0.2261.

# 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

41.7336, 0.2443, 0.2261

### Protanopia

41.8345, 0.2364, 0.2260

### Deuteranopia

41.7536, 0.2363, 0.2297



## Tritanopia

41.8412, 0.2727, 0.3092

# Trichromacy



**Original Color**

41.7336, 0.2443, 0.2261

**Protanomaly**

41.7637, 0.2391, 0.2263

**Deuteranomaly**

41.8255, 0.2391, 0.2292

**Tritanomaly**

41.7180, 0.2619, 0.2766

# Monochromacy



**Original Color**

41.7336, 0.2443, 0.2261

**Achromatopsia**

41.7885, 0.3127, 0.3290

**Achromatomaly**

41.6056, 0.2848, 0.2879

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.7336, 0.2443, 0.2261 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(156, 167, 252)` looks like.

```
.text, #text, p{  
    color:rgb(156, 167, 252)  
}
```

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(156, 167, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 167, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 41.7336, 0.2443, 0.2261 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(156, 167, 252) }
```

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

```
.border{ border-color:rgb(156, 167, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 167, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 167, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 167, 252);  
box-shadow:4px 4px 4px 4px rgb(156, 167,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.7336, 0.2443, 0.2261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 167, 252) }
```

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

```
.background{ background-color: rgb(156,  
167, 252) }
```

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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