

Converting Colors

$Yxy(41.7651, 0.2453, 0.2367)$

Have a look what the booklet for
Yxy(41.7651, 0.2453, 0.2367)
contains.

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Color

Yxy(41.7651, 0.2453, 0.2367)

Conversions

Conversions Part 1

Format	Color
Hex	96AAF4
RGB	150, 170, 244
RGB Percent	59%, 67%, 96%
CMY	0.4119, 0.3333, 0.0430
CMYK	0.39, 0.30, 0.00, 0.04
HSL	227°, 81%, 77%
HSV	227°, 39%, 96%
XYZ	43.2825, 41.7651, 91.3998
YIQ	172.4560, -35.6740, 18.7740

Conversions

Conversions Part 2

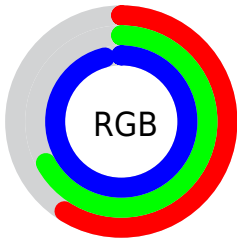
Format	Color
R _Y B	150, 166, 244
Decimal	9874164
CIE Lab	70.71, 10.93, -39.17
CIE LCh	71, 40.664, 285.594
Yxy	41.7651, 0.2453, 0.2367
Android (android.graphics.Color)	4288064244 (0xFF96AAF4)
YUV	172.4560, 35.2712, -19.6939
Hunter-Lab	64.6259, 6.4532, -38.6151

Details

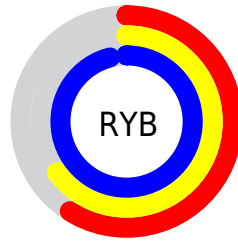
The Yxy color **41.7651, 0.2453, 0.2367** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **74.7602, 0.3779, 0.4066**, and the grayscale version is **41.3285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3358, 0.2825, 0.2970**, and **18.9776, 0.2272, 0.2138** is the 20% darker color. If you saturate the color by 10%, you get **33.0047, 0.2258, 0.2076**, and if you desaturate by 10%, it is **52.0629, 0.2644, 0.2641**.

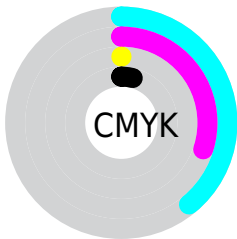
Distribution



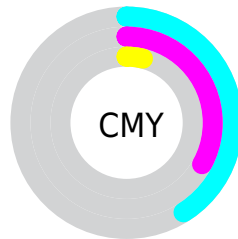
- Red (59%)
- Green (67%)
- Blue (96%)



- Red (59%)
- Yellow (65%)
- Blue (96%)



- Cyan (39%)
- Magenta (30%)
- Yellow (0%)
- Black (4%)



- Cyan (41%)
- Magenta (33%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7651, 0.2453, 0.2367 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 41.7651, 0.2453, 0.2367 by changing the saturation by 10% instead.

■ 41.7651, 0.2453,
0.2367

■ 41.7651, 0.2453,
0.2367

■ 353.5083, 0.2789,
0.2811

■ 28.9174, 0.2371,
0.2263

■ 77.8440, 0.2574,
0.2524

■ 19.0183, 0.2269,
0.2134

■ 101.8440, 0.2619,
0.2584

■ 11.6835, 0.2135,
0.1970

■ 130.3302, 0.2658,
0.2635

■ 6.5286, 0.1958,
0.1758

■ 163.6870, 0.2692,
0.2680

■ 3.1691, 0.1713,
0.1475

■ 202.2988, 0.2721,
0.2719

■ 1.2206, 0.1364,
0.1093

■ 246.5500, 0.2746,

■ 0.0785, 0.0727,

0.2754

0.0167

296.8251, 0.2769,
0.2784

0.0000, 0.0000,
0.0000

41.7651, 0.2453,
0.2367

41.7651, 0.2453,
0.2367

33.0047, 0.2258,
0.2076

52.0629, 0.2644,
0.2641

25.7013, 0.2069,
0.1777

63.9636, 0.2826,
0.2893

19.7742, 0.1894,
0.1486

77.5345, 0.2995,
0.3118

15.1325, 0.1747,
0.1218

92.8377, 0.3149,
0.3317

11.6729, 0.1635,
0.0991

99.3141, 0.3191,
0.3395

■ 9.2661, 0.1563,
0.0817

■ 8.9864, 0.1554,
0.0795

Harmonies

Analogous

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



41.7651, 0.2150, 0.2456



41.7651, 0.2453, 0.2367



41.7651, 0.2955, 0.2484

Triad

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



41.7651, 0.2453, 0.2367



41.7651, 0.4301, 0.3631



41.7651, 0.2655, 0.3902

Complementary

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



41.7651, 0.2453, 0.2367



74.7602, 0.3779, 0.4066

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.



41.7651, 0.3209, 0.4304



41.7651, 0.2453, 0.2367



41.7651, 0.4178, 0.4057

Square

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



41.7651, 0.2453, 0.2367



41.7651, 0.4071, 0.3176



41.7651, 0.3769, 0.4334



41.7651, 0.2252, 0.3303

Rectangle

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



41.7651, 0.2453, 0.2367



41.7651, 0.3356, 0.2659



41.7651, 0.3769, 0.4334



41.7651, 0.2829, 0.4071

Sweetspot

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



41.7667, 0.2453, 0.2367



80.2355, 0.2938, 0.3043



76.5710, 0.2690, 0.3530



16.7490, 0.2916, 0.3013



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.



41.7667, 0.2453, 0.2367



38.6766, 0.2306, 0.2148



37.6428, 0.2611, 0.2171



16.4985, 0.2979, 0.3098



5.0445, 0.1561, 0.0818



0.5871, 0.1622, 0.1037

Inverse Universe

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



43.9479, 0.3879, 0.3073



41.9837, 0.4107, 0.3032



81.7385, 0.3515, 0.4315



16.5402, 0.3260, 0.3240



10.6086, 0.6041, 0.3101



0.9469, 0.5703, 0.2915

Previews

White Background



This preview shows how the Yxy color 41.7651, 0.2453, 0.2367 looks on a white background.

Color Contrast Check

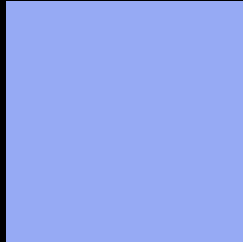
Large Text (above 18pt) WCAG AA × Fail

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 41.7651, 0.2453, 0.2367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

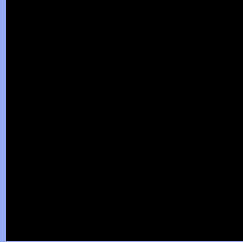
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.7651, 0.2453, 0.2367

Background



This preview shows how black text looks on a background with the Yxy color 41.7651, 0.2453, 0.2367.



This preview shows how white text looks on a background with the Yxy color 41.7651, 0.2453, 0.2367.

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

41.7651, 0.2453, 0.2367

Protanopia

41.7651, 0.2453, 0.2367

Deuteranopia

41.8605, 0.2436, 0.2376



Tritanopia

41.9408, 0.2693, 0.3091

Trichromacy



Original Color

41.7651, 0.2453, 0.2367

Protanomaly

41.7651, 0.2453, 0.2367

Deuteranomaly

41.9534, 0.2443, 0.2377

Tritanomaly

41.5549, 0.2599, 0.2800

Monochromacy



Original Color

41.7651, 0.2453, 0.2367

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.0956, 0.2854, 0.2927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7651, 0.2453, 0.2367 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(150, 170, 244)` looks like.

```
.text, #text, p{  
    color:rgb(150, 170, 244)  
}
```

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(150, 170, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 170, 244) }
```

Border

The CSS property to change the border of an element to Yxy 41.7651, 0.2453, 0.2367 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(150, 170, 244) }
```

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

```
.border{ border-color:rgb(150, 170, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 170, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 170, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 170, 244);  
box-shadow:4px 4px 4px 4px rgb(150, 170,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7651, 0.2453, 0.2367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 170, 244) }
```

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

```
.background{ background-color: rgb(150,  
170, 244) }
```

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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