

Converting Colors

$Y_{xy}(44.2371, 0.2451, 0.2305)$

Have a look what the booklet for
Yxy(44.2371, 0.2451, 0.2305)
contains.

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Color

Yxy(44.3762, 0.2451, 0.2309)

Conversions

Conversions Part 1

Format	Color
Hex	9EADFF
RGB	158, 173, 255
RGB Percent	62%, 68%, 100%
CMY	0.3801, 0.3216, 0.0000
CMYK	0.38, 0.32, 0.00, 0.00
HSL	231°, 100%, 81%
HSV	231°, 38%, 100%
XYZ	47.1053, 44.3762, 100.7065
YIQ	177.8630, -35.2620, 22.3220

Conversions

Conversions Part 2

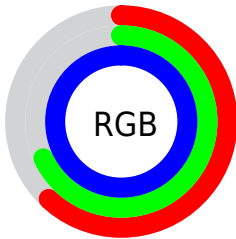
Format	Color
R _Y B	158, 171, 255
Decimal	10399231
CIE Lab	72.48, 14.31, -42.31
CIE LCh	72, 44.666, 288.681
Yxy	44.3762, 0.2451, 0.2309
Android (android.graphics.Color)	4288589311 (0xFF9EADFF)
YUV	177.8630, 38.0285, -17.4199
Hunter-Lab	66.6155, 9.6442, -43.0013

Details

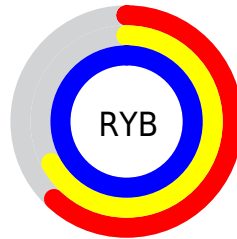
The Yxy color **44.3762, 0.2451, 0.2309** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **86.0982, 0.3751, 0.4109**, and the grayscale version is **44.2589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1539, 0.2877, 0.3007**, and **20.5767, 0.2267, 0.2072** is the 20% darker color. If you saturate the color by 10%, you get **34.4362, 0.2249, 0.1997**, and if you desaturate by 10%, it is **56.1895, 0.2648, 0.2604**.

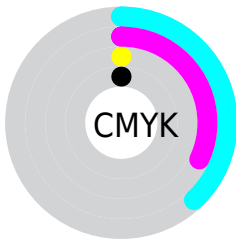
Distribution



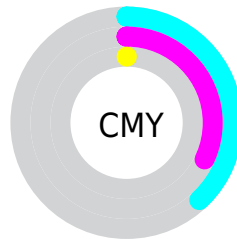
- Red (62%)
- Green (68%)
- Blue (100%)



- Red (62%)
- Yellow (67%)
- Blue (100%)



- Cyan (38%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)




- Cyan (38%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.3762, 0.2451, 0.2309 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 44.3762, 0.2451, 0.2309 by changing the saturation by 10% instead.


 44.3762, 0.2451,
0.2309


 44.3762, 0.2451,
0.2309


364.2412, 0.2785,
0.2772

 30.9664, 0.2371,
0.2203


 81.7835, 0.2570,
0.2470

 20.5732, 0.2271,
0.2073


 106.5498, 0.2616,
0.2533

 12.8124, 0.2142,
0.1909

135.8704, 0.2654,
0.2587

 7.2995, 0.1972,
0.1701

170.1296, 0.2688,
0.2634

 3.6501, 0.1740,
0.1428

209.7120, 0.2717,
0.2675

 1.4798, 0.1415,
0.1070

255.0017, 0.2742,

 0.2745, 0.0948,

0.2711

0.0426

306.3834, 0.2765,
0.2743

0.0000, 0.0000,
0.0000

44.3762, 0.2451,
0.2309

44.3762, 0.2451,
0.2309

34.4362, 0.2249,
0.1997

56.1895, 0.2648,
0.2604

26.2708, 0.2052,
0.1680

69.9652, 0.2833,
0.2875

19.7741, 0.1871,
0.1376

85.7880, 0.3003,
0.3117

14.8278, 0.1720,
0.1105

100.0000, 0.3127,
0.3290

11.2976, 0.1608,
0.0886

■ 9.0194, 0.1540,
0.0731

■ 8.6874, 0.1530,
0.0708

Harmonies

Analogous

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



44.3762, 0.2106, 0.2376



44.3762, 0.2451, 0.2309



44.3762, 0.3004, 0.2454

Triad

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



44.3762, 0.2451, 0.2309



44.3762, 0.4393, 0.3696



44.3762, 0.2564, 0.3890

Complementary

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



44.3762, 0.2451, 0.2309



86.0982, 0.3751, 0.4109

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.



44.3762, 0.3145, 0.4362



44.3762, 0.2451, 0.2309



44.3762, 0.4219, 0.4146

Square

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



44.3762, 0.2451, 0.2309



44.3762, 0.4186, 0.3212



44.3762, 0.3753, 0.4428



44.3762, 0.2160, 0.3233

Rectangle

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



44.3762, 0.2451, 0.2309



44.3762, 0.3438, 0.2651



44.3762, 0.3753, 0.4428



44.3762, 0.2744, 0.4083

Sweetspot

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



44.3766, 0.2451, 0.2309



80.8444, 0.2954, 0.3047



85.0184, 0.2671, 0.3471



16.8368, 0.2931, 0.3015



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.



44.3766, 0.2451, 0.2309



36.2923, 0.2290, 0.2061



42.6912, 0.2655, 0.2196



17.8290, 0.2979, 0.3082



4.6729, 0.1535, 0.0726



0.5803, 0.1582, 0.0896

Inverse Universe

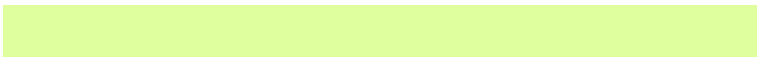
The Inverse Universe completely reimagines the original color for something new.



48.7521, 0.3924, 0.3135



41.7430, 0.4185, 0.3105



89.6293, 0.3478, 0.4314



18.0326, 0.3270, 0.3254



11.1997, 0.6190, 0.3183



1.1031, 0.5918, 0.3034

Previews

White Background



This preview shows how the Yxy color 44.3762, 0.2451, 0.2309 looks on a white background.

Color Contrast Check

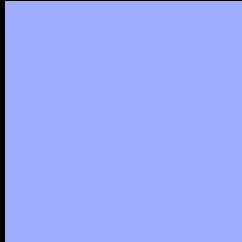
Large Text (above 18pt) WCAG AA × Fail

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 44.3762, 0.2451, 0.2309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

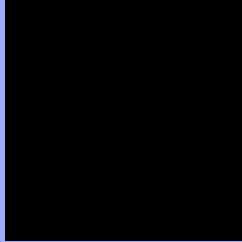
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.3762, 0.2451, 0.2309

Background



This preview shows how black text looks on a background with the Yxy color 44.3762, 0.2451, 0.2309.



This preview shows how white text looks on a background with the Yxy color 44.3762, 0.2451, 0.2309.

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

44.3762, 0.2451, 0.2309

Protanopia

44.5553, 0.2417, 0.2325

Deuteranopia

44.5023, 0.2400, 0.2341



Tritanopia

44.4242, 0.2715, 0.3083

Trichromacy



Original Color

44.3762, 0.2451, 0.2309

Protanomaly

44.3621, 0.2428, 0.2315

Deuteranomaly

44.4911, 0.2423, 0.2335

Tritanomaly

44.2410, 0.2617, 0.2777

Monochromacy



Original Color

44.3762, 0.2451, 0.2309

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.1648, 0.2855, 0.2901

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3762, 0.2451, 0.2309 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(158, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 173, 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(158, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 173, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.3762, 0.2451, 0.2309 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(158, 173, 255) }
```

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

```
.border{ border-color:rgb(158, 173, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 173, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 173,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3762, 0.2451, 0.2309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 173, 255) }
```

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

```
.background{ background-color: rgb(158,  
173, 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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