

Converting Colors

$Y_{xy}(45.0819, 0.2440, 0.2336)$

Have a look what the booklet for
Yxy(45.0819, 0.2440, 0.2336)
contains.

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Color

Yxy(44.9479, 0.2442, 0.2331)

Conversions

Conversions Part 1

Format	Color
Hex	9CAFFF
RGB	156, 175, 255
RGB Percent	61%, 69%, 100%
CMY	0.3882, 0.3137, 0.0000
CMYK	0.39, 0.31, 0.00, 0.00
HSL	228°, 100%, 81%
HSV	228°, 39%, 100%
XYZ	47.0883, 44.9479, 100.7905
YIQ	178.4390, -37.0040, 20.8520

Conversions

Conversions Part 2

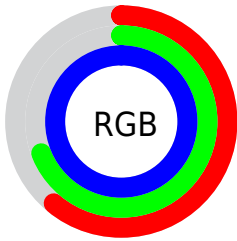
Format	Color
RYB	156, 172, 255
Decimal	10268671
CIELab	72.86, 12.63, -41.71
CIELCh	73, 43.584, 286.843
Yxy	44.9479, 0.2442, 0.2331
Android (android.graphics.Color)	4288458751 (0xFF9CAFFF)
YUV	178.4390, 37.7446, -19.6790
Hunter-Lab	67.0432, 8.0452, -42.2044

Details

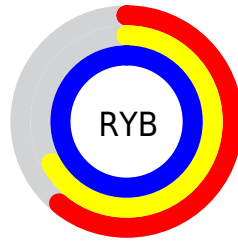
The Yxy color **44.9479, 0.2442, 0.2331** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **83.6398, 0.3778, 0.4092**, and the grayscale version is **44.5773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9598, 0.2865, 0.3027**, and **20.9525, 0.2258, 0.2100** is the 20% darker color. If you saturate the color by 10%, you get **35.2492, 0.2245, 0.2031**, and if you desaturate by 10%, it is **56.4075, 0.2636, 0.2614**.

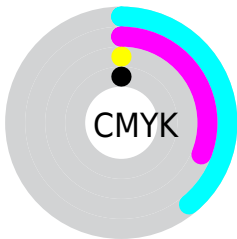
Distribution



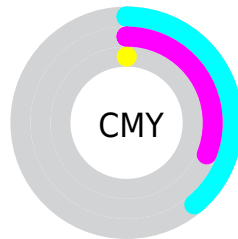
- Red (61%)
- Green (69%)
- Blue (100%)



- Red (61%)
- Yellow (67%)
- Blue (100%)



- Cyan (39%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (39%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9479, 0.2442, 0.2331 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 44.9479, 0.2442, 0.2331 by changing the saturation by 10% instead.

■ 44.9479, 0.2442,
0.2331

■ 44.9479, 0.2442,
0.2331

■ 366.5625, 0.2779,
0.2785

■ 31.4164, 0.2361,
0.2227

■ 82.6422, 0.2562,
0.2489

■ 20.9161, 0.2261,
0.2099

■ 107.5738, 0.2608,
0.2551

■ 13.0627, 0.2132,
0.1938

■ 137.0743, 0.2647,
0.2603

■ 7.4717, 0.1961,
0.1733

■ 171.5279, 0.2681,
0.2649

■ 3.7588, 0.1730,
0.1463

■ 211.3191, 0.2710,
0.2689

■ 1.5396, 0.1406,
0.1107

■ 256.8324, 0.2736,

■ 0.3164, 0.0938,

0.2725

0.0487

308.4521, 0.2759,
0.2756

0.0000, 0.0000,
0.0000

44.9479, 0.2442,
0.2331

44.9479, 0.2442,
0.2331

35.2492, 0.2245,
0.2031

56.4075, 0.2636,
0.2614

27.2174, 0.2052,
0.1726

69.7054, 0.2820,
0.2874

20.7572, 0.1877,
0.1430

84.9205, 0.2990,
0.3107

15.7610, 0.1729,
0.1162

99.9992, 0.3127,
0.3290

12.1066, 0.1619,
0.0940

■ 9.6401, 0.1551,
0.0775

■ 9.4120, 0.1544,
0.0759

Harmonies

Analogous

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



44.9479, 0.2119, 0.2412



44.9479, 0.2442, 0.2331



44.9479, 0.2971, 0.2461

Triad

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



44.9479, 0.2442, 0.2331



44.9479, 0.4356, 0.3660



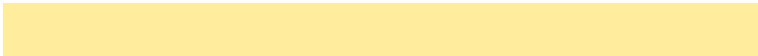
44.9479, 0.2611, 0.3908

Complementary

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



44.9479, 0.2442, 0.2331



83.6398, 0.3778, 0.4092

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.



44.9479, 0.3184, 0.4345



44.9479, 0.2442, 0.2331



44.9479, 0.4210, 0.4102

Square

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



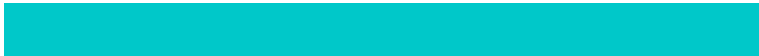
44.9479, 0.2442, 0.2331



44.9479, 0.4131, 0.3188



44.9479, 0.3771, 0.4388



44.9479, 0.2202, 0.3275

Rectangle

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



44.9479, 0.2442, 0.2331



44.9479, 0.3391, 0.2647



44.9479, 0.3771, 0.4388



44.9479, 0.2790, 0.4090

Sweetspot

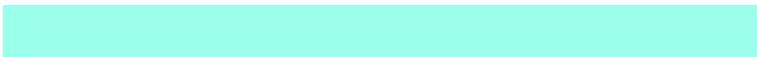
The Sweet Spot groups the original color and five complimentary colors.



44.9496, 0.2442, 0.2331



79.8779, 0.2937, 0.3036



84.5895, 0.2679, 0.3514



16.6654, 0.2915, 0.3006



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.



44.9496, 0.2442, 0.2331



36.8914, 0.2280, 0.2086



41.3982, 0.2617, 0.2162



17.9420, 0.2979, 0.3092



5.0782, 0.1550, 0.0781



0.6361, 0.1602, 0.0968

Inverse Universe

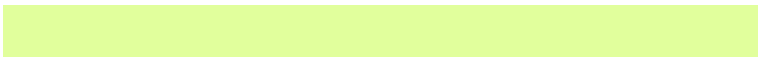
The Inverse Universe completely reimagines the original color for something new.



48.1307, 0.3911, 0.3093



41.1039, 0.4168, 0.3054



89.9671, 0.3507, 0.4329



18.0441, 0.3264, 0.3245



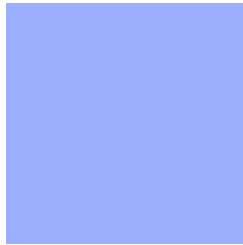
11.2406, 0.6101, 0.3134



1.1088, 0.5807, 0.2972

Previews

White Background



This preview shows how the Yxy color 44.9479, 0.2442, 0.2331 looks on a white background.

Color Contrast Check

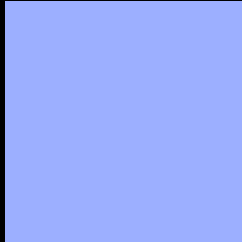
Large Text (above 18pt) WCAG AA × Fail

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 44.9479, 0.2442, 0.2331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

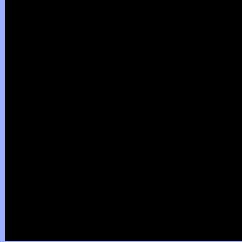
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.9479, 0.2442, 0.2331

Background



This preview shows how black text looks on a background with the Yxy color 44.9479, 0.2442, 0.2331.



This preview shows how white text looks on a background with the Yxy color 44.9479, 0.2442, 0.2331.

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

44.9479, 0.2442, 0.2331

Protanopia

45.0430, 0.2425, 0.2339

Deuteranopia

45.1483, 0.2409, 0.2347



Tritanopia

45.1745, 0.2691, 0.3084

Trichromacy



Original Color

44.9479, 0.2442, 0.2331

Protanomaly

45.1407, 0.2432, 0.2340

Deuteranomaly

44.9461, 0.2419, 0.2337

Tritanomaly

44.9723, 0.2595, 0.2779

Monochromacy



Original Color

44.9479, 0.2442, 0.2331

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.4466, 0.2847, 0.2913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9479, 0.2442, 0.2331 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, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 175, 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(156, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 175, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.9479, 0.2442, 0.2331 is called "border". The border property can be set on classes, ids or directly on the HTML element.

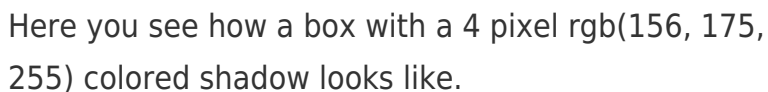
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 175, 255) }
```

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

```
.border{ border-color:rgb(156, 175, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(156, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(156, 175,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9479, 0.2442, 0.2331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 175, 255) }
```

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

```
.background{ background-color: rgb(156,  
175, 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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