

Converting Colors

$Y_{xy}(50.1228, 0.2179, 0.1735)$

Have a look what the booklet for
Yxy(50.1228, 0.2179, 0.1735)
contains.

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Color

Yxy(44.2943, 0.2511, 0.2290)

Conversions

Conversions Part 1

Format	Color
Hex	A8AAFF
RGB	168, 170, 255
RGB Percent	66%, 67%, 100%
CMY	0.3411, 0.3333, 0.0002
CMYK	0.34, 0.33, 0.00, 0.00
HSL	239°, 100%, 83%
HSV	239°, 34%, 100%
XYZ	48.5690, 44.2943, 100.5616
YIQ	179.0920, -28.4770, 26.0110

Conversions

Conversions Part 2

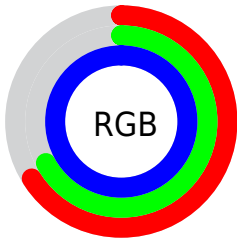
Format	Color
R _Y B	168, 170, 255
Decimal	11053823
CIE Lab	72.42, 18.60, -42.31
CIE LCh	72, 46.220, 293.727
Yxy	44.2943, 0.2511, 0.2290
Android (android.graphics.Color)	4289243903 (0xFFA8AAFF)
YUV	179.0920, 37.4226, -9.7277
Hunter-Lab	66.5540, 13.7943, -42.9981

Details

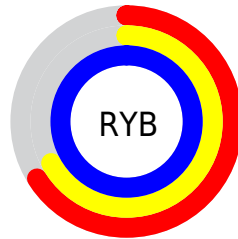
The Yxy color **44.2943, 0.2511, 0.2290** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **94.3064, 0.3649, 0.4126**, and the grayscale version is **44.9407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0780, 0.2940, 0.2981**, and **20.5448, 0.2344, 0.2051** is the 20% darker color. If you saturate the color by 10%, you get **33.2945, 0.2297, 0.1940**, and if you desaturate by 10%, it is **57.6154, 0.2714, 0.2621**.

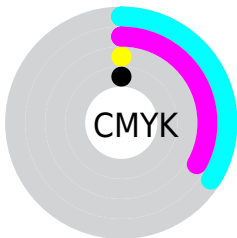
Distribution



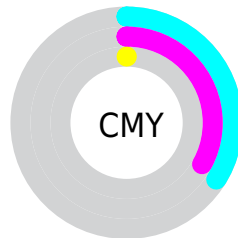
- Red (66%)
- Green (67%)
- Blue (100%)



- Red (66%)
- Yellow (67%)
- Blue (100%)



- Cyan (34%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2943, 0.2511, 0.2290 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 44.2943, 0.2511, 0.2290 by changing the saturation by 10% instead.

■ 44.2943, 0.2511,
0.2290

■ 44.2943, 0.2511,
0.2290

■ 363.9079, 0.2818,
0.2759

■ 30.9019, 0.2437,
0.2183

■ 81.6604, 0.2621,
0.2453

■ 20.5242, 0.2343,
0.2052

■ 106.4030, 0.2663,
0.2516

■ 12.7767, 0.2223,
0.1889

■ 135.6977, 0.2698,
0.2571

■ 7.2749, 0.2063,
0.1680

■ 169.9290, 0.2729,
0.2619

■ 3.6346, 0.1842,
0.1409

■ 209.4813, 0.2756,
0.2660

■ 1.4714, 0.1529,
0.1053

■ 254.7389, 0.2779,

■ 0.2684, 0.1089,

0.2697

0.0412

306.0863, 0.2799,
0.2730

0.0000, 0.0000,
0.0000

44.2943, 0.2511,
0.2290

44.2943, 0.2511,
0.2290

33.2945, 0.2297,
0.1940

57.6154, 0.2714,
0.2621

24.4786, 0.2083,
0.1587

73.3747, 0.2900,
0.2922

17.7026, 0.1884,
0.1257

91.6873, 0.3065,
0.3190

12.8028, 0.1716,
0.0976

99.9973, 0.3127,
0.3290

9.5909, 0.1593,
0.0768

■ 7.8390, 0.1523,
0.0645

■ 7.3444, 0.1503,
0.0610

Harmonies

Analogous

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



44.2943, 0.2117, 0.2319



44.2943, 0.2511, 0.2290



44.2943, 0.3110, 0.2473

Triad

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



44.2943, 0.2511, 0.2290



44.2943, 0.4432, 0.3788



44.2943, 0.2458, 0.3801

Complementary

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



44.2943, 0.2511, 0.2290



94.3064, 0.3649, 0.4126

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.



44.2943, 0.3035, 0.4348



44.2943, 0.2511, 0.2290



44.2943, 0.4190, 0.4237

Square

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



44.2943, 0.2511, 0.2290



44.2943, 0.4287, 0.3289



44.2943, 0.3671, 0.4487



44.2943, 0.2083, 0.3119

Rectangle

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



44.2943, 0.2511, 0.2290



44.2943, 0.3562, 0.2693



44.2943, 0.3671, 0.4487



44.2943, 0.2633, 0.4016

Sweetspot

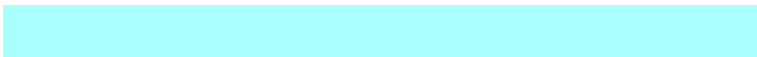
The Sweet Spot groups the original color and five complimentary colors.



44.2960, 0.2511, 0.2290



80.6016, 0.2970, 0.3036



86.8517, 0.2656, 0.3320



16.7136, 0.2946, 0.2998



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.



44.2960, 0.2511, 0.2290



36.4803, 0.2364, 0.2050



48.7222, 0.2801, 0.2344



17.4445, 0.2978, 0.3050



3.8679, 0.1504, 0.0614



0.3991, 0.1513, 0.0646

Inverse Universe

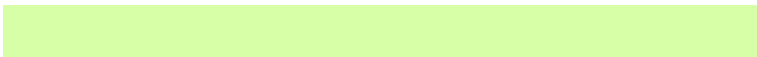
The Inverse Universe completely reimagines the original color for something new.



52.1644, 0.3919, 0.3271



45.5116, 0.4161, 0.3268



88.6749, 0.3368, 0.4227



17.9938, 0.3291, 0.3285



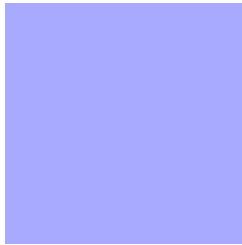
11.1184, 0.6378, 0.3287



1.0848, 0.6322, 0.3256

Previews

White Background



This preview shows how the Yxy color 44.2943, 0.2511, 0.2290 looks on a white background.

Color Contrast Check

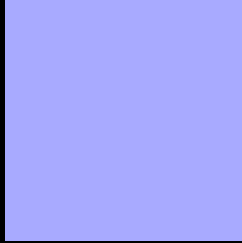
Large Text (above 18pt) WCAG AA × Fail

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 44.2943, 0.2511, 0.2290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

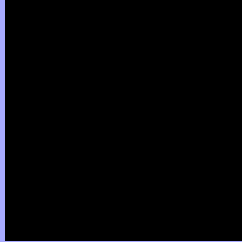
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.2943, 0.2511, 0.2290

Background



This preview shows how black text looks on a background with the Yxy color 44.2943, 0.2511, 0.2290.



This preview shows how white text looks on a background with the Yxy color 44.2943, 0.2511, 0.2290.

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

44.2943, 0.2511, 0.2290

Protanopia

44.4593, 0.2411, 0.2323

Deuteranopia

44.5023, 0.2400, 0.2341



Tritanopia

44.4100, 0.2806, 0.3099

Trichromacy



Original Color

44.2943, 0.2511, 0.2290

Protanomaly

44.2752, 0.2444, 0.2308

Deuteranomaly

44.3964, 0.2439, 0.2327

Tritanomaly

44.3241, 0.2697, 0.2784

Monochromacy



Original Color

44.2943, 0.2511, 0.2290

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.6696, 0.2879, 0.2892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2943, 0.2511, 0.2290 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(168, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 170, 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(168, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 170, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.2943, 0.2511, 0.2290 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(168, 170, 255) }
```

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

```
.border{ border-color:rgb(168, 170, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 170,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2943, 0.2511, 0.2290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 170, 255) }
```

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

```
.background{ background-color: rgb(168,  
170, 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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