

# Converting Colors

$Yxy(43.9574, 0.2515, 0.2277)$

Have a look what the booklet for  
Yxy(43.9574, 0.2515, 0.2277)  
contains.

<b>Yxy(44.0310, 0.2516, 0.2279)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# **Color**

**Yxy(44.0310, 0.2516, 0.2279)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9A9FF
RGB	169, 169, 255
RGB Percent	66%, 66%, 100%
CMY	0.3371, 0.3373, 0.0000
CMYK	0.34, 0.34, 0.00, 0.00
HSL	240°, 100%, 83%
HSV	240°, 34%, 100%
XYZ	48.6099, 44.0310, 100.5622
YIQ	178.8040, -27.6060, 26.7460

# Conversions

## Conversions Part 2

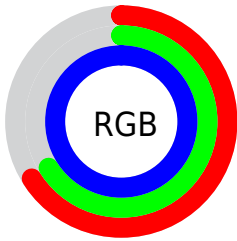
Format	Color
R <sub>Y</sub> B	169, 169, 255
Decimal	11119103
CIE Lab	72.25, 19.47, -42.62
CIE LCh	72, 46.852, 294.551
Yxy	44.0310, 0.2516, 0.2279
Android (android.graphics.Color)	4289309183 (0xFFA9A9FF)
YUV	178.8040, 37.5646, -8.5981
Hunter-Lab	66.3559, 14.6399, -43.4048

# Details

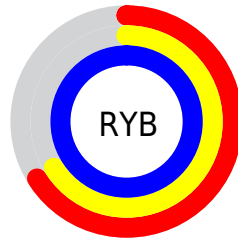
The Yxy color **44.0310, 0.2516, 0.2279** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **95.6324, 0.3637, 0.4134**, and the grayscale version is **44.7801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7001, 0.2946, 0.2971**, and **20.3772, 0.2350, 0.2038** is the 20% darker color. If you saturate the color by 10%, you get **32.9016, 0.2300, 0.1922**, and if you desaturate by 10%, it is **57.5601, 0.2720, 0.2617**.

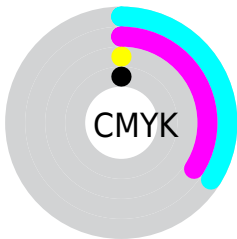
# Distribution



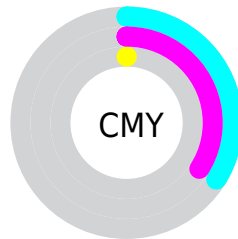
- Red (66%)
- Green (66%)
- Blue (100%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.0310, 0.2516, 0.2279 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 44.0310, 0.2516, 0.2279 by changing the saturation by 10% instead.





 44.0310, 0.2516,  
0.2279

 44.0310, 0.2516,  
0.2279


362.8348, 0.2821,  
0.2753

 30.6949, 0.2442,  
0.2171


 81.2644, 0.2626,  
0.2444

 20.3666, 0.2349,  
0.2039


 105.9304, 0.2667,  
0.2508

 12.6618, 0.2229,  
0.1874


135.1419, 0.2702,  
0.2563

 7.1961, 0.2069,  
0.1664

169.2833, 0.2733,  
0.2611

 3.5850, 0.1849,  
0.1392

208.7388, 0.2759,  
0.2653

 1.4443, 0.1535,  
0.1035

253.8930, 0.2782,

 0.2490, 0.1096,

0.2690

0.0383

305.1302, 0.2803,  
0.2724

0.0000, 0.0000,  
0.0000

44.0310, 0.2516,  
0.2279

44.0310, 0.2516,  
0.2279

32.9016, 0.2300,  
0.1922

57.5601, 0.2720,  
0.2617

24.0312, 0.2084,  
0.1565

73.6168, 0.2906,  
0.2924

17.2653, 0.1882,  
0.1231

92.3210, 0.3071,  
0.3197

12.4303, 0.1713,  
0.0952

100.0000, 0.3127,  
0.3290

9.3244, 0.1591,  
0.0749

■ 7.7017, 0.1521,  
0.0635

■ 7.2212, 0.1500,  
0.0600

# Harmonies

## Analogous

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



44.0310, 0.2111, 0.2301



44.0310, 0.2516, 0.2279



44.0310, 0.3127, 0.2470

# Triad

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



44.0310, 0.2516, 0.2279



44.0310, 0.4450, 0.3807



44.0310, 0.2433, 0.3791

# Complementary

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



44.0310, 0.2516, 0.2279



95.6324, 0.3637, 0.4134

# 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.



44.0310, 0.3015, 0.4356



44.0310, 0.2516, 0.2279



44.0310, 0.4193, 0.4260

# Square

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



44.0310, 0.2516, 0.2279



44.0310, 0.4315, 0.3301



44.0310, 0.3660, 0.4508



44.0310, 0.2062, 0.3098



# Rectangle

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



44.0310, 0.2516, 0.2279



44.0310, 0.3587, 0.2695



44.0310, 0.3660, 0.4508



44.0310, 0.2610, 0.4012

# Sweetspot

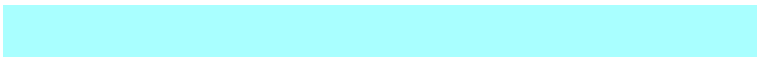
The Sweet Spot groups the original color and five complimentary colors.



44.0313, 0.2516, 0.2279



80.2791, 0.2970, 0.3030



87.1735, 0.2647, 0.3289



16.6365, 0.2946, 0.2991



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.



44.0313, 0.2516, 0.2279



36.7819, 0.2382, 0.2057



49.5870, 0.2828, 0.2361



17.3784, 0.2978, 0.3044



3.7735, 0.1500, 0.0600



0.3676, 0.1501, 0.0600



# Inverse Universe

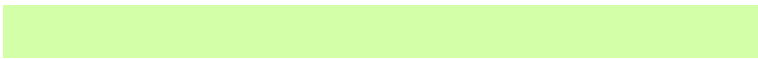
The Inverse Universe completely reimagines the original color for something new.



56.8470, 0.3167, 0.2451



51.2578, 0.3174, 0.2302



88.3801, 0.3347, 0.4222



18.3002, 0.3138, 0.3056



14.8754, 0.3211, 0.1543

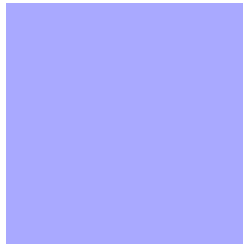


1.4484, 0.3211, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 44.0310, 0.2516, 0.2279 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 44.0310, 0.2516, 0.2279 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

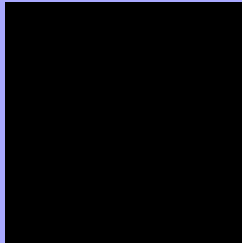
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.0310, 0.2516, 0.2279**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.0310, 0.2516, 0.2279.



This preview shows how white text looks on a background with the Yxy color 44.0310, 0.2516, 0.2279.

# 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

44.0310, 0.2516, 0.2279

### Protanopia

44.0714, 0.2409, 0.2311

### Deuteranopia

44.0187, 0.2392, 0.2327



## Tritanopia

44.0558, 0.2820, 0.3099

# Trichromacy



**Original Color**

44.0310, 0.2516, 0.2279

**Protanomaly**

43.9941, 0.2449, 0.2297

**Deuteranomaly**

44.0115, 0.2437, 0.2314

**Tritanomaly**

44.0311, 0.2703, 0.2772

# Monochromacy



**Original Color**

44.0310, 0.2516, 0.2279

**Achromatopsia**

45.0786, 0.3127, 0.3290

**Achromatomaly**

44.2789, 0.2879, 0.2879

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.0310, 0.2516, 0.2279 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(169, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 169, 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(169, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 169, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 44.0310, 0.2516, 0.2279 is called "border". The border property can be set on classes, ids or directly on the HTML element.

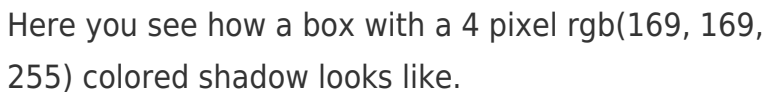
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(169, 169, 255) }
```

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

```
.border{ border-color:rgb(169, 169, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(169, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 169, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 169, 255); box-shadow:4px 4px 4px 4px rgb(169, 169, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.0310, 0.2516, 0.2279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 169, 255) }
```

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

```
.background{ background-color: rgb(169,  
169, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor