

# Converting Colors

$Yxy(49.4416, 0.2515, 0.2540)$

Have a look what the booklet for  
Yxy(49.4416, 0.2515, 0.2540)  
contains.

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# Color

**Yxy(49.3283, 0.2513, 0.2532)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FBAF9
RGB	159, 186, 249
RGB Percent	62%, 73%, 98%
CMY	0.3763, 0.2706, 0.0237
CMYK	0.36, 0.25, 0.00, 0.02
HSL	222°, 88%, 80%
HSV	222°, 36%, 98%
XYZ	48.9581, 49.3283, 96.5331
YIQ	185.1090, -36.3150, 13.8690

# Conversions

## Conversions Part 2

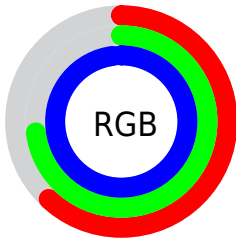
Format	Color
R <sub>Y</sub> B	159, 180, 249
Decimal	10468089
CIE Lab	75.66, 5.74, -34.11
CIE LCh	76, 34.586, 279.551
Yxy	49.3283, 0.2513, 0.2532
Android (android.graphics.Color)	4288658169 (0xFF9FBAF9)
YUV	185.1090, 31.4983, -22.8976
Hunter-Lab	70.2341, 1.5174, -32.3271

# Details

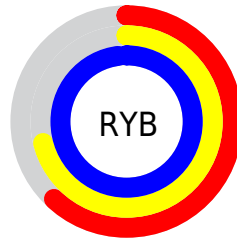
The Yxy color **49.3283, 0.2513, 0.2532** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **74.8898, 0.3763, 0.3945**, and the grayscale version is **48.4213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3232, 0.2889, 0.3155**, and **23.5239, 0.2354, 0.2345** is the 20% darker color. If you saturate the color by 10%, you get **40.1317, 0.2328, 0.2276**, and if you desaturate by 10%, it is **59.9376, 0.2695, 0.2771**.

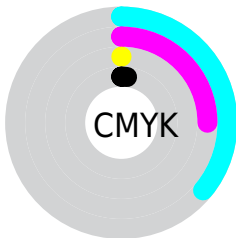
# Distribution



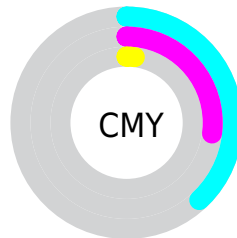
- Red (62%)
- Green (73%)
- Blue (98%)



- Red (62%)
- Yellow (71%)
- Blue (98%)



- Cyan (36%)
- Magenta (25%)
- Yellow (0%)
- Black (2%)



- Cyan (38%)
- Magenta (27%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3283, 0.2513, 0.2532 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 49.3283, 0.2513, 0.2532 by changing the saturation by 10% instead.



■ 49.3283, 0.2513,  
0.2532

■ 49.3283, 0.2513,  
0.2532

384.0333, 0.2811,  
0.2893

■ 34.8800, 0.2442,  
0.2448

■ 89.1789, 0.2619,  
0.2659

■ 23.5704, 0.2354,  
0.2344

■ 115.3499, 0.2659,  
0.2708

■ 15.0153, 0.2241,  
0.2211

146.1973, 0.2694,  
0.2750

■ 8.8301, 0.2091,  
0.2038

182.1054, 0.2724,  
0.2786

■ 4.6305, 0.1886,  
0.1806

223.4587, 0.2750,  
0.2818

■ 2.0322, 0.1594,  
0.1482

270.6415, 0.2772,

■ 0.6261, 0.1162,

0.2846

0.0990

324.0382, 0.2793,  
0.2871

0.0000, 0.0000,  
0.0000

49.3283, 0.2513,  
0.2532

49.3283, 0.2513,  
0.2532

40.1317, 0.2328,  
0.2276

59.9376, 0.2695,  
0.2771

32.2792, 0.2147,  
0.2007

72.0128, 0.2870,  
0.2988

25.7041, 0.1978,  
0.1737

85.6112, 0.3033,  
0.3182

20.3316, 0.1830,  
0.1476

99.6173, 0.3162,  
0.3348

16.0772, 0.1711,  
0.1238

■ 12.8423, 0.1627,  
0.1035

■ 11.8172, 0.1602,  
0.0967

# Harmonies

## Analogous

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



49.3283, 0.2296, 0.2652



49.3283, 0.2513, 0.2532



49.3283, 0.2900, 0.2593

# Triad

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



49.3283, 0.2513, 0.2532



49.3283, 0.4057, 0.3508



49.3283, 0.2836, 0.3857

# Complementary

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



49.3283, 0.2513, 0.2532



74.8898, 0.3763, 0.3945

# 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.



49.3283, 0.3299, 0.4123



49.3283, 0.2513, 0.2532



49.3283, 0.4021, 0.3865

# Square

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



49.3283, 0.2513, 0.2532



49.3283, 0.3816, 0.3132



49.3283, 0.3736, 0.4107



49.3283, 0.2469, 0.3405



# Rectangle

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



49.3283, 0.2513, 0.2532



49.3283, 0.3217, 0.2721



49.3283, 0.3736, 0.4107



49.3283, 0.2985, 0.3974

# Sweetspot

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



49.3302, 0.2513, 0.2532



83.1638, 0.2955, 0.3090



80.3786, 0.2750, 0.3603



17.3860, 0.2932, 0.3063



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.



49.3302, 0.2513, 0.2532



45.1967, 0.2385, 0.2356



41.0021, 0.2594, 0.2233



17.4909, 0.2979, 0.3119



6.5433, 0.1610, 0.0994



0.7828, 0.1674, 0.1225



# Inverse Universe

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



48.4920, 0.3736, 0.3004



44.8408, 0.3911, 0.2949



87.2198, 0.3546, 0.4232



17.3108, 0.3247, 0.3219



11.0715, 0.5767, 0.2951

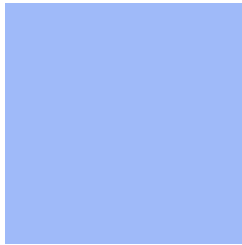


1.0433, 0.5431, 0.2765



# Previews

## White Background



This preview shows how the Yxy color 49.3283, 0.2513, 0.2532 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

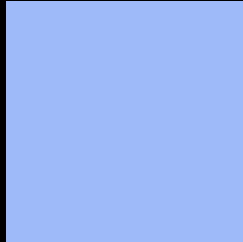
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.3283, 0.2513, 0.2532 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

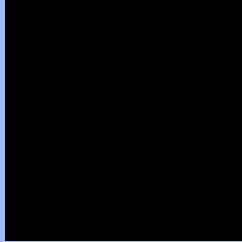
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

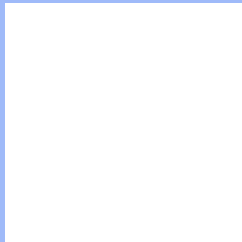
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.3283, 0.2513, 0.2532**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.3283, 0.2513, 0.2532.



This preview shows how white text looks on a background with the Yxy color 49.3283, 0.2513, 0.2532.

# 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

49.3283, 0.2513, 0.2532

### Protanopia

49.3212, 0.2578, 0.2539

### Deuteranopia

49.2041, 0.2566, 0.2497



## Tritanopia

49.2274, 0.2698, 0.3078

# Trichromacy



## Original Color

49.3283, 0.2513, 0.2532

## Protanomaly

49.4746, 0.2554, 0.2537

## Deuteranomaly

49.1824, 0.2541, 0.2504

## Tritanomaly

48.9810, 0.2623, 0.2855

# Monochromacy



## Original Color

49.3283, 0.2513, 0.2532

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

48.4821, 0.2884, 0.2998

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.3283, 0.2513, 0.2532 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(159, 186, 249)` looks like.

```
.text, #text, p{  
    color:rgb(159, 186, 249)  
}
```

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(159, 186, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 186, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 49.3283, 0.2513, 0.2532 is called "border". The border property can be set on classes, ids or directly on the HTML element.

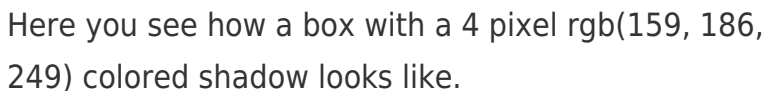
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 186, 249) }
```

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

```
.border{ border-color:rgb(159, 186, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 186, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 186, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 186, 249); box-shadow:4px 4px 4px 4px rgb(159, 186, 249) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.3283, 0.2513, 0.2532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 186, 249) }
```

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

```
.background{ background-color: rgb(159,  
186, 249) }
```

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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