

# Converting Colors

Yxy(53.2120, 0.2420, 0.2549)

Have a look what the booklet for  
Yxy(53.2120, 0.2420, 0.2549)  
contains.

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# Color

**Yxy(52.9958, 0.2437, 0.2583)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94C4FF
RGB	148, 196, 255
RGB Percent	58%, 77%, 100%
CMY	0.4195, 0.2314, 0.0001
CMYK	0.42, 0.23, 0.00, 0.00
HSL	213°, 100%, 79%
HSV	213°, 42%, 100%
XYZ	50.0003, 52.9958, 102.1754
YIQ	188.3740, -47.5470, 8.1730

# Conversions

## Conversions Part 2

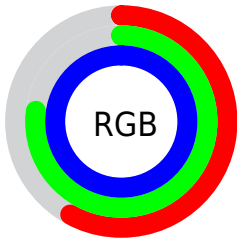
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">148, 181, 255</a>
Decimal	<a href="#">9749759</a>
CIELab	<a href="#">77.87, -0.99, -33.96</a>
CIElCh	<a href="#">78, 33.971, 268.322</a>
Yxy	<a href="#">52.9958, 0.2437, 0.2583</a>
Android (android.graphics.Color)	<a href="#">4287939839</a> ( <a href="#">0xFF94C4FF</a> )
YUV	<a href="#">188.3740, 32.8466, -35.4080</a>
Hunter-Lab	<a href="#">72.7982, -4.7970, -32.2573</a>

# Details

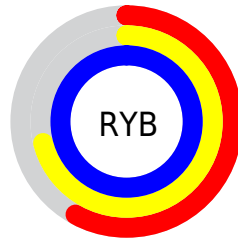
The Yxy color **52.9958, 0.2437, 0.2583** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.0096, 0.3949, 0.3899**, and the grayscale version is **50.3453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8199, 0.2831, 0.3258**, and **25.6985, 0.2267, 0.2400** is the 20% darker color. If you saturate the color by 10%, you get **44.8285, 0.2272, 0.2376**, and if you desaturate by 10%, it is **62.2849, 0.2607, 0.2777**.

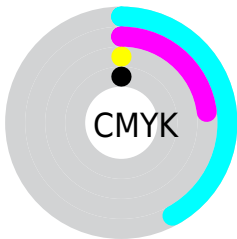
# Distribution



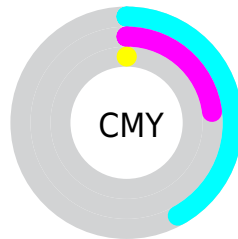
- Red (58%)
- Green (77%)
- Blue (100%)



- Red (58%)
- Yellow (71%)
- Blue (100%)



- Cyan (42%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)




- Cyan (42%)
- Magenta (23%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.9958, 0.2437, 0.2583 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 52.9958, 0.2437, 0.2583 by changing the saturation by 10% instead.




 52.9958, 0.2437,  
0.2583


 52.9958, 0.2437,  
0.2583


398.2690, 0.2765,  
0.2920

 37.7994, 0.2361,  
0.2505


 94.5982, 0.2552,  
0.2701

 25.8270, 0.2267,  
0.2407


 121.7730, 0.2596,  
0.2747

 16.6943, 0.2147,  
0.2284


153.7094, 0.2635,  
0.2786

 10.0168, 0.1992,  
0.2123


190.7917, 0.2668,  
0.2820

 5.4101, 0.1783,  
0.1906

233.4045, 0.2697,  
0.2850

 2.4898, 0.1493,  
0.1603

281.9320, 0.2722,

 0.8715, 0.1080,

0.2876

0.1171

336.7587, 0.2745,  
0.2899

0.0000, 0.0000,  
0.0000

52.9958, 0.2437,  
0.2583

52.9958, 0.2437,  
0.2583

44.8285, 0.2272,  
0.2376

62.2849, 0.2607,  
0.2777

37.7260, 0.2117,  
0.2161

72.7369, 0.2775,  
0.2956

31.6344, 0.1978,  
0.1943

84.3981, 0.2940,  
0.3118

26.4910, 0.1862,  
0.1729

97.3099, 0.3097,  
0.3264

22.2230, 0.1771,  
0.1527

99.9981, 0.3127,  
0.3290

■ 19.3436, 0.1716,  
0.1377

# Harmonies

## Analogous

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



52.9958, 0.2298, 0.2768



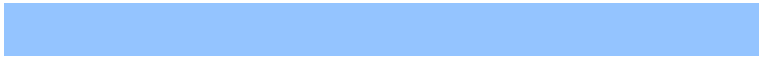
52.9958, 0.2437, 0.2583



52.9958, 0.2755, 0.2578

# Triad

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



52.9958, 0.2437, 0.2583



52.9958, 0.3961, 0.3365



52.9958, 0.3010, 0.3956

# Complementary

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



52.9958, 0.2437, 0.2583



68.0096, 0.3949, 0.3899

# 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.



52.9958, 0.3461, 0.4113



52.9958, 0.2437, 0.2583



52.9958, 0.4029, 0.3724

# Square

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



52.9958, 0.2437, 0.2583



52.9958, 0.3646, 0.3013



52.9958, 0.3838, 0.4008



52.9958, 0.2610, 0.3572



# Rectangle

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



52.9958, 0.2437, 0.2583



52.9958, 0.3040, 0.2665



52.9958, 0.3838, 0.4008



52.9958, 0.3161, 0.4038

# Sweetspot

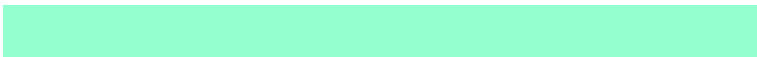
The Sweet Spot groups the original color and five complimentary colors.



52.9978, 0.2437, 0.2583



83.1346, 0.2923, 0.3102



82.2956, 0.2777, 0.3860



17.2266, 0.2887, 0.3067



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

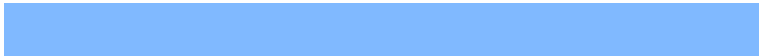


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.9978, 0.2437, 0.2583



46.3463, 0.2303, 0.2417



35.2109, 0.2374, 0.1998



18.7197, 0.2979, 0.3155



10.3981, 0.1724, 0.1407



1.2268, 0.1785, 0.1624



# Inverse Universe

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



46.4251, 0.3719, 0.2794



40.0587, 0.3890, 0.2705



93.8938, 0.3718, 0.4343



18.1226, 0.3223, 0.3184



11.7777, 0.5182, 0.2628



1.1684, 0.4901, 0.2473



# Previews

## White Background



This preview shows how the Yxy color 52.9958, 0.2437, 0.2583 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

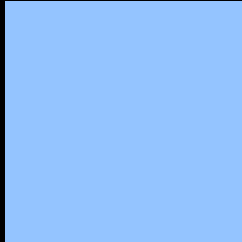
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.9958, 0.2437, 0.2583 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

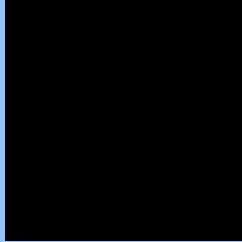
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

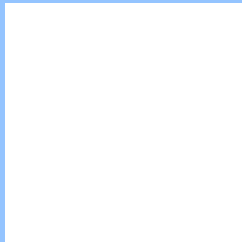
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.9958, 0.2437, 0.2583**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.9958, 0.2437, 0.2583.



This preview shows how white text looks on a background with the Yxy color 52.9958, 0.2437, 0.2583.

# 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

52.9958, 0.2437, 0.2583

### Protanopia

52.9591, 0.2621, 0.2591

### Deuteranopia

52.7292, 0.2585, 0.2528



## Tritanopia

53.2296, 0.2582, 0.3081

# Trichromacy



## Original Color

52.9958, 0.2437, 0.2583

## Protanomaly

52.8345, 0.2550, 0.2583

## Deuteranomaly

52.9186, 0.2527, 0.2552

## Tritanomaly

52.8855, 0.2529, 0.2884

# Monochromacy



## Original Color

52.9958, 0.2437, 0.2583

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

50.8993, 0.2838, 0.3025

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.9958, 0.2437, 0.2583 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(148, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 196, 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(148, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 196, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 52.9958, 0.2437, 0.2583 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(148, 196, 255) }
```

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

```
.border{ border-color:rgb(148, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 196, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 196, 255); box-shadow:4px 4px 4px 4px rgb(148, 196, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.9958, 0.2437, 0.2583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 196, 255) }
```

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

```
.background{ background-color: rgb(148,  
196, 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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