

# Converting Colors

Yxy(54.3151, 0.2378, 0.2211)

Have a look what the booklet for  
Yxy(54.3151, 0.2378, 0.2211)  
contains.

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# Color

**Yxy(52.0502, 0.2547, 0.2520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9BDFF
RGB	169, 189, 255
RGB Percent	66%, 74%, 100%
CMY	0.3373, 0.2588, 0.0000
CMYK	0.34, 0.26, 0.00, 0.00
HSL	226°, 100%, 83%
HSV	226°, 34%, 100%
XYZ	52.6079, 52.0502, 101.8903
YIQ	190.5440, -33.1060, 16.2860

# Conversions

## Conversions Part 2

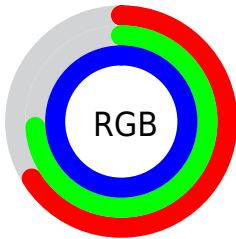
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	169, 185, 255
Decimal	11124223
CIELab	77.31, 8.32, -34.74
CIELCh	77, 35.726, 283.474
Yxy	52.0502, 0.2547, 0.2520
Android (android.graphics.Color)	4289314303 (0xFFA9BDFF)
YUV	190.5440, 31.7768, -18.8941
Hunter-Lab	72.1458, 3.9049, -33.2322

# Details

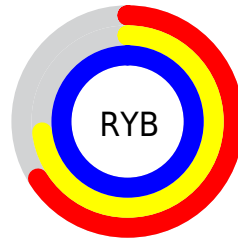
The Yxy color **52.0502, 0.2547, 0.2520** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.5272, 0.3699, 0.3956**, and the grayscale version is **51.6490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6936, 0.2950, 0.3189**, and **25.2629, 0.2399, 0.2336** is the 20% darker color. If you saturate the color by 10%, you get **41.6440, 0.2355, 0.2242**, and if you desaturate by 10%, it is **64.1442, 0.2733, 0.2778**.

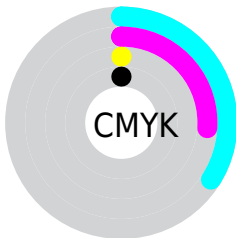
# Distribution



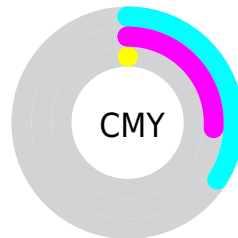
- Red (66%)
- Green (74%)
- Blue (100%)



- Red (66%)
- Yellow (73%)
- Blue (100%)



- Cyan (34%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (26%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0502, 0.2547, 0.2520 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 52.0502, 0.2547, 0.2520 by changing the saturation by 10% instead.



■ 52.0502, 0.2547,  
0.2520

■ 52.0502, 0.2547,  
0.2520

■ 394.6304, 0.2827,  
0.2882

■ 37.0451, 0.2481,  
0.2437

■ 93.2053, 0.2646,  
0.2646

■ 25.2424, 0.2399,  
0.2334

■ 120.1240, 0.2684,  
0.2695

■ 16.2577, 0.2294,  
0.2205

■ 151.7828, 0.2716,  
0.2737

■ 9.7067, 0.2155,  
0.2038

■ 188.5659, 0.2744,  
0.2774

■ 5.2049, 0.1967,  
0.1815

■ 230.8579, 0.2769,  
0.2806

■ 2.3680, 0.1698,  
0.1509

■ 279.0430, 0.2791,

■ 0.8094, 0.1303,

0.2834

0.1077

333.5057, 0.2810,  
0.2860

0.0000, 0.0000,  
0.0000

52.0502, 0.2547,  
0.2520

52.0502, 0.2547,  
0.2520

41.6440, 0.2355,  
0.2242

64.1442, 0.2733,  
0.2778

32.8446, 0.2163,  
0.1952

77.9942, 0.2909,  
0.3011

25.5696, 0.1982,  
0.1660

93.6694, 0.3070,  
0.3219

19.7274, 0.1822,  
0.1382

100.0000, 0.3127,  
0.3290

15.2157, 0.1693,  
0.1133

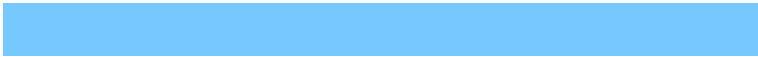
■ 11.9162, 0.1602,  
0.0929

■ 10.3851, 0.1563,  
0.0827

# Harmonies

## Analogous

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



52.0502, 0.2302, 0.2616



52.0502, 0.2547, 0.2520



52.0502, 0.2957, 0.2604

# Triad

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



52.0502, 0.2547, 0.2520



52.0502, 0.4082, 0.3561



52.0502, 0.2774, 0.3812

# Complementary

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



52.0502, 0.2547, 0.2520



83.5272, 0.3699, 0.3956

# 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.



52.0502, 0.3238, 0.4116



52.0502, 0.2547, 0.2520



52.0502, 0.4009, 0.3913

# Square

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



52.0502, 0.2547, 0.2520



52.0502, 0.3872, 0.3178



52.0502, 0.3693, 0.4137



52.0502, 0.2423, 0.3343



# Rectangle

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



52.0502, 0.2547, 0.2520



52.0502, 0.3283, 0.2746



52.0502, 0.3693, 0.4137



52.0502, 0.2922, 0.3941

# Sweetspot

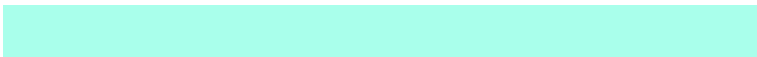
The Sweet Spot groups the original color and five complimentary colors.



52.0515, 0.2547, 0.2520



83.6271, 0.2971, 0.3092



85.9473, 0.2743, 0.3513



17.4392, 0.2948, 0.3062



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.



52.0515, 0.2547, 0.2520



45.3357, 0.2427, 0.2348



46.7860, 0.2677, 0.2321



18.0638, 0.2979, 0.3102



5.6130, 0.1570, 0.0851



0.7045, 0.1626, 0.1054



# Inverse Universe

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



53.3043, 0.3736, 0.3082



47.2066, 0.3903, 0.3043



91.5502, 0.3481, 0.4181



18.0564, 0.3257, 0.3235



11.2946, 0.5988, 0.3072



1.1157, 0.5678, 0.2901



# Previews

## White Background



This preview shows how the Yxy color 52.0502, 0.2547, 0.2520 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

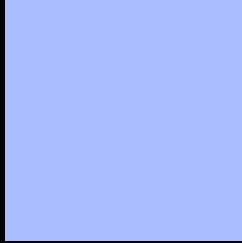
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.0502, 0.2547, 0.2520 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

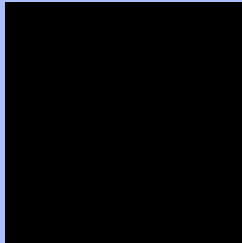
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.0502, 0.2547, 0.2520**

## Background



This preview shows how black text looks on a background with the Yxy color 52.0502, 0.2547, 0.2520.



This preview shows how white text looks on a background with the Yxy color 52.0502, 0.2547, 0.2520.

# 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

52.0502, 0.2547, 0.2520

### Protanopia

51.8929, 0.2570, 0.2522

### Deuteranopia

52.0707, 0.2571, 0.2513



## Tritanopia

52.1075, 0.2739, 0.3084

# Trichromacy



## Original Color

52.0502, 0.2547, 0.2520

## Protanomaly

51.7801, 0.2564, 0.2521

## Deuteranomaly

51.9571, 0.2565, 0.2512

## Tritanomaly

51.9715, 0.2670, 0.2867

# Monochromacy



## Original Color

52.0502, 0.2547, 0.2520

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

51.7492, 0.2898, 0.2995

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.0502, 0.2547, 0.2520 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, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 189, 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, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 189, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 52.0502, 0.2547, 0.2520 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, 189, 255) }
```

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

```
.border{ border-color:rgb(169, 189, 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, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 189,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.0502, 0.2547, 0.2520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 189, 255) }
```

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

```
.background{ background-color: rgb(169,  
189, 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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