

# Converting Colors

Yxy(53.8232, 0.2657, 0.2536)

Have a look what the booklet for  
Yxy(53.8232, 0.2657, 0.2536)  
contains.

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# Color

**Yxy(53.6255, 0.2656, 0.2531)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BABCFF
RGB	186, 188, 255
RGB Percent	73%, 74%, 100%
CMY	0.2707, 0.2627, 0.0001
CMYK	0.27, 0.26, 0.00, 0.00
HSL	238°, 100%, 86%
HSV	238°, 27%, 100%
XYZ	56.2739, 53.6255, 101.9753
YIQ	195.0400, -22.6990, 20.4130

# Conversions

## Conversions Part 2

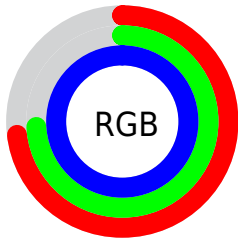
Format	Color
<a href="#">RYB</a>	<a href="#">186, 188, 255</a>
Decimal	<a href="#">12238079</a>
CIELab	<a href="#">78.24, 13.63, -33.19</a>
CIELCh	<a href="#">78, 35.880, 292.326</a>
Yxy	<a href="#">53.6255, 0.2656, 0.2531</a>
Android (android.graphics.Color)	<a href="#">4290428159</a> ( <a href="#">0xFFBABCFF</a> )
YUV	<a href="#">195.0400, 29.5603, -7.9281</a>
Hunter-Lab	<a href="#">73.2294, 9.0187, -31.3034</a>

# Details

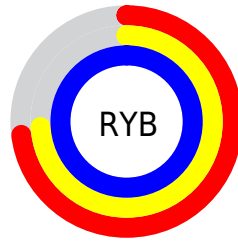
The Yxy color **53.6255, 0.2656, 0.2531** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **95.0076, 0.3543, 0.3951**, and the grayscale version is **54.4274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9761, 0.3056, 0.3182**, and **26.2305, 0.2532, 0.2354** is the 20% darker color. If you saturate the color by 10%, you get **41.0334, 0.2449, 0.2195**, and if you desaturate by 10%, it is **68.6035, 0.2847, 0.2840**.

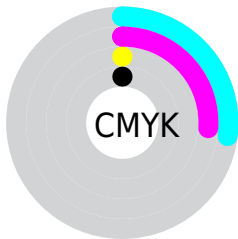
# Distribution



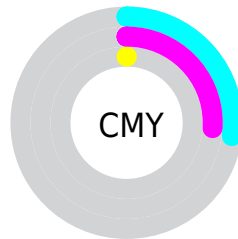
- Red (73%)
- Green (74%)
- Blue (100%)



- Red (73%)
- Yellow (74%)
- Blue (100%)



- Cyan (27%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (26%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.6255, 0.2656, 0.2531 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 53.6255, 0.2656, 0.2531 by changing the saturation by 10% instead.



■ 53.6255, 0.2656,  
0.2531

■ 53.6255, 0.2656,  
0.2531

400.6803, 0.2885,  
0.2884

■ 38.3023, 0.2602,  
0.2451

■ 95.5242, 0.2737,  
0.2653

■ 26.2174, 0.2534,  
0.2352

122.8684, 0.2768,  
0.2701

■ 16.9864, 0.2446,  
0.2228

154.9885, 0.2795,  
0.2742

■ 10.2248, 0.2330,  
0.2068

192.2689, 0.2818,  
0.2778

■ 5.5482, 0.2170,  
0.1856

235.0938, 0.2838,  
0.2809

■ 2.5724, 0.1939,  
0.1565

283.8478, 0.2855,

■ 0.9128, 0.1585,

0.2837

0.1155

338.9151, 0.2871,  
0.2862

0.0000, 0.0534,  
0.0000

0.0000, 0.0000,  
0.0000

53.6255, 0.2656,  
0.2531

53.6255, 0.2656,  
0.2531

41.0334, 0.2449,  
0.2195

68.6035, 0.2847,  
0.2840

30.6982, 0.2235,  
0.1844

86.0750, 0.3018,  
0.3116

22.4883, 0.2024,  
0.1497

99.9988, 0.3127,  
0.3290

16.2560, 0.1833,  
0.1179

■ 11.8348, 0.1677,  
0.0916

■ 9.0306, 0.1569,  
0.0730

■ 7.6039, 0.1513,  
0.0628

■ 7.3831, 0.1504,  
0.0612

# Harmonies

## Analogous

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



53.6255, 0.2359, 0.2572



53.6255, 0.2656, 0.2531



53.6255, 0.3099, 0.2662

# Triad

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



53.6255, 0.2656, 0.2531



53.6255, 0.4084, 0.3670



53.6255, 0.2657, 0.3680

# Complementary

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



53.6255, 0.2656, 0.2531



95.0076, 0.3543, 0.3951

# 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.



53.6255, 0.3097, 0.4049



53.6255, 0.2656, 0.2531



53.6255, 0.3932, 0.3994

# Square

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



53.6255, 0.2656, 0.2531



53.6255, 0.3957, 0.3289



53.6255, 0.3565, 0.4155



53.6255, 0.2357, 0.3203



# Rectangle

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



53.6255, 0.2656, 0.2531



53.6255, 0.3427, 0.2830



53.6255, 0.3565, 0.4155



53.6255, 0.2793, 0.3825

# Sweetspot

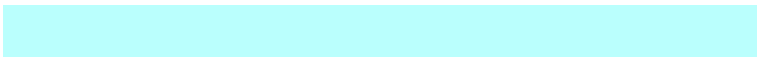
The Sweet Spot groups the original color and five complimentary colors.



53.6276, 0.2656, 0.2531



84.3487, 0.3003, 0.3091



89.0143, 0.2742, 0.3313



17.4641, 0.2978, 0.3051



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.



53.6276, 0.2656, 0.2531



47.1311, 0.2556, 0.2368



57.2554, 0.2882, 0.2555



17.4641, 0.2978, 0.3051



3.8959, 0.1505, 0.0618



0.4084, 0.1517, 0.0660



# Inverse Universe

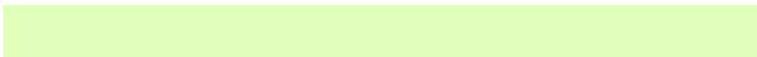
The Inverse Universe completely reimagines the original color for something new.



59.9923, 0.3699, 0.3270



54.4284, 0.3846, 0.3267



90.7037, 0.3322, 0.4019



17.9958, 0.3290, 0.3283



11.1213, 0.6371, 0.3283

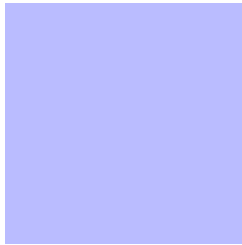


1.0858, 0.6300, 0.3244



# Previews

## White Background



This preview shows how the Yxy color 53.6255, 0.2656, 0.2531 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

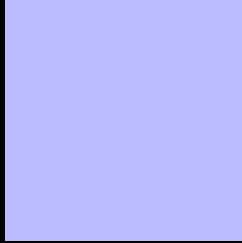
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.6255, 0.2656, 0.2531 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

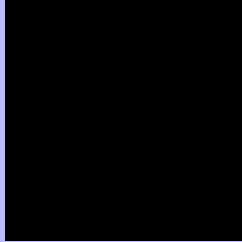
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.6255, 0.2656, 0.2531**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.6255, 0.2656, 0.2531.



This preview shows how white text looks on a background with the Yxy color 53.6255, 0.2656, 0.2531.

# 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

53.6255, 0.2656, 0.2531

### Protanopia

53.7117, 0.2594, 0.2553

### Deuteranopia

53.6306, 0.2612, 0.2545



## Tritanopia

53.5804, 0.2870, 0.3091

# Trichromacy



## Original Color

53.6255, 0.2656, 0.2531

## Protanomaly

53.7502, 0.2619, 0.2546

## Deuteranomaly

53.5603, 0.2631, 0.2537

## Tritanomaly

53.4447, 0.2785, 0.2868

# Monochromacy



## Original Color

53.6255, 0.2656, 0.2531

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

53.9155, 0.2946, 0.2991

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.6255, 0.2656, 0.2531 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(186, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 188, 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(186, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 188, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 53.6255, 0.2656, 0.2531 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(186, 188, 255) }
```

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

```
.border{ border-color:rgb(186, 188, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 188,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.6255, 0.2656, 0.2531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 188, 255) }
```

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

```
.background{ background-color: rgb(186,  
188, 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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