

# Converting Colors

$Yxy(53.6951, 0.2822, 0.2587)$

Have a look what the booklet for  
Yxy(53.6951, 0.2822, 0.2587)  
contains.

<b>Yxy(53.6929, 0.2822, 0.2587)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(53.6929, 0.2822, 0.2587)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBB8F7
RGB	203, 184, 247
RGB Percent	80%, 72%, 97%
CMY	0.2037, 0.2785, 0.0313
CMYK	0.18, 0.26, 0.00, 0.03
HSL	258°, 80%, 85%
HSV	258°, 26%, 97%
XYZ	58.5703, 53.6929, 95.2857
YIQ	196.8630, -8.8990, 23.6210

# Conversions

## Conversions Part 2

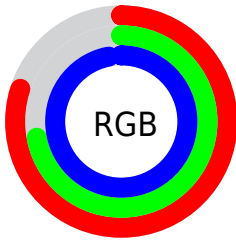
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 184, 247
Decimal	13351159
CIE Lab	78.28, 19.09, -28.75
CIE LCh	78, 34.510, 303.594
Yxy	53.6929, 0.2822, 0.2587
Android (android.graphics.Color)	4291541239 (0xFFCBB8F7)
YUV	196.8630, 24.7175, 5.3821
Hunter-Lab	73.2754, 14.4461, -25.8065

# Details

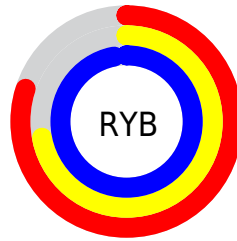
The Yxy color **53.6929, 0.2822, 0.2587** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.4774, 0.3382, 0.3958**, and the grayscale version is **55.6051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8002, 0.3134, 0.3146**, and **26.2462, 0.2741, 0.2428** is the 20% darker color. If you saturate the color by 10%, you get **42.0274, 0.2673, 0.2272**, and if you desaturate by 10%, it is **67.4233, 0.2955, 0.2882**.

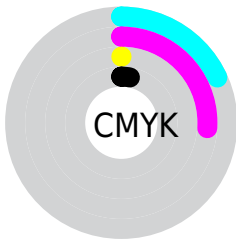
# Distribution



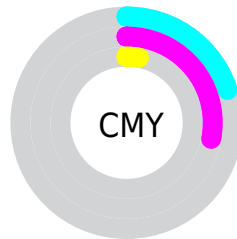
- Red (80%)
- Green (72%)
- Blue (97%)



- Red (80%)
- Yellow (72%)
- Blue (97%)



- Cyan (18%)
- Magenta (26%)
- Yellow (0%)
- Black (3%)




- Cyan (20%)
- Magenta (28%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.6929, 0.2822, 0.2587 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 53.6929, 0.2822, 0.2587 by changing the saturation by 10% instead.





 53.6929, 0.2822,  
0.2587

 53.6929, 0.2822,  
0.2587


400.9379, 0.2973,  
0.2913

 38.3562, 0.2785,  
0.2513


 95.6232, 0.2876,  
0.2700

 26.2593, 0.2738,  
0.2421


122.9856, 0.2897,  
0.2744

 17.0177, 0.2677,  
0.2306


155.1253, 0.2915,  
0.2782

 10.2471, 0.2595,  
0.2158

192.4267, 0.2930,  
0.2815

 5.5631, 0.2478,  
0.1959

235.2743, 0.2943,  
0.2844

 2.5813, 0.2303,  
0.1682

284.0525, 0.2954,

 0.9173, 0.2016,

0.2870

0.1283

339.1455, 0.2964,  
0.2893

0.0000, 0.1212,  
0.0000

0.0000, 0.0000,  
0.0000

53.6929, 0.2822,  
0.2587

53.6929, 0.2822,  
0.2587

42.0274, 0.2673,  
0.2272

67.4233, 0.2955,  
0.2882

32.3184, 0.2510,  
0.1946

83.3066, 0.3070,  
0.3152

24.4571, 0.2338,  
0.1625

99.4471, 0.3172,  
0.3366

18.3215, 0.2164,  
0.1326

99.4965, 0.3173,  
0.3366

■ 13.7743, 0.1999,  
0.1069

■ 10.6561, 0.1853,  
0.0872

■ 8.7720, 0.1734,  
0.0744

■ 8.2018, 0.1690,  
0.0704

# Harmonies

## Analogous

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



53.6929, 0.2474, 0.2562



53.6929, 0.2822, 0.2587



53.6929, 0.3279, 0.2769

# Triad

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



53.6929, 0.2822, 0.2587



53.6929, 0.4023, 0.3787



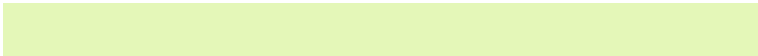
53.6929, 0.2547, 0.3495

# Complementary

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



53.6929, 0.2822, 0.2587



86.4774, 0.3382, 0.3958

# 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.



53.6929, 0.2930, 0.3909



53.6929, 0.2822, 0.2587



53.6929, 0.3789, 0.4051

# Square

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



53.6929, 0.2822, 0.2587



53.6929, 0.4002, 0.3430



53.6929, 0.3386, 0.4115



53.6929, 0.2324, 0.3047



# Rectangle

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



53.6929, 0.2822, 0.2587



53.6929, 0.3586, 0.2959



53.6929, 0.3386, 0.4115



53.6929, 0.2660, 0.3646

# Sweetspot

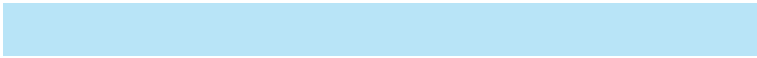
The Sweet Spot groups the original color and five complimentary colors.



53.6951, 0.2822, 0.2587



85.0686, 0.3043, 0.3088



72.4508, 0.2733, 0.3078



17.6441, 0.3026, 0.3048



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.



53.6951, 0.2822, 0.2587



50.5122, 0.2741, 0.2415



58.5528, 0.3059, 0.2634



16.1697, 0.3027, 0.3049



4.4016, 0.1705, 0.0713



0.4383, 0.1836, 0.0785



# Inverse Universe

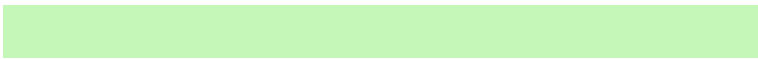
The Inverse Universe completely reimagines the original color for something new.



59.6501, 0.3304, 0.2836



58.0653, 0.3352, 0.2734



81.8074, 0.3173, 0.4003



16.6779, 0.3184, 0.3126



12.0650, 0.4156, 0.2063

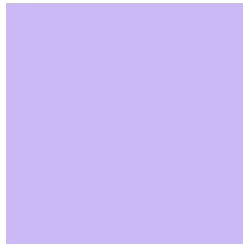


1.0786, 0.4008, 0.1982



# Previews

## White Background



This preview shows how the Yxy color 53.6929, 0.2822, 0.2587 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

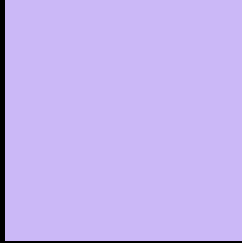
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.6929, 0.2822, 0.2587 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

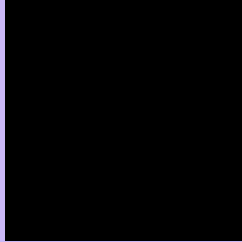
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.6929, 0.2822, 0.2587**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.6929, 0.2822, 0.2587.

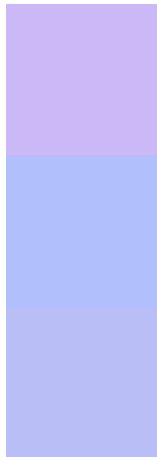


This preview shows how white text looks on a background with the Yxy color 53.6929, 0.2822, 0.2587.

# 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

53.6929, 0.2822, 0.2587

### Protanopia

53.6370, 0.2618, 0.2584

### Deuteranopia

53.7950, 0.2705, 0.2643



## Tritanopia

53.5024, 0.3048, 0.3097

# Trichromacy



## Original Color

53.6929, 0.2822, 0.2587

## Protanomaly

53.3077, 0.2686, 0.2580

## Deuteranomaly

53.8267, 0.2752, 0.2628

## Tritanomaly

53.3825, 0.2964, 0.2891

# Monochromacy



## Original Color

53.6929, 0.2822, 0.2587

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

54.7477, 0.3014, 0.3018

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.6929, 0.2822, 0.2587 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(203, 184, 247)` looks like.

```
.text, #text, p{  
    color:rgb(203, 184, 247)  
}
```

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(203, 184, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 184, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 53.6929, 0.2822, 0.2587 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(203, 184, 247) }
```

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

```
.border{ border-color:rgb(203, 184, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 184, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 184, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 184, 247);  
box-shadow:4px 4px 4px 4px rgb(203, 184,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.6929, 0.2822, 0.2587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 184, 247) }
```

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

```
.background{ background-color: rgb(203,  
184, 247) }
```

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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