

# Converting Colors

Yxy(53.4099, 0.3064, 0.2791)

Have a look what the booklet for  
Yxy(53.4099, 0.3064, 0.2791)  
contains.

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# Color

**Yxy(53.5458, 0.3069, 0.2796)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8B6E2
RGB	216, 182, 226
RGB Percent	85%, 71%, 89%
CMY	0.1529, 0.2863, 0.1137
CMYK	0.04, 0.19, 0.00, 0.11
HSL	286°, 43%, 80%
HSV	286°, 19%, 89%
XYZ	58.7740, 53.5458, 79.1888
YIQ	197.1820, 6.1400, 20.8920

# Conversions

## Conversions Part 2

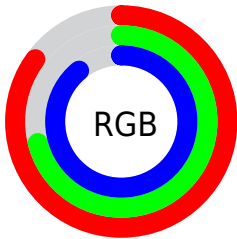
Format	Color
R <sub>Y</sub> B	216, 182, 226
Decimal	14202594
CIE Lab	78.20, 19.96, -17.45
CIE LCh	78, 26.512, 318.834
Yxy	53.5458, 0.3069, 0.2796
Android (android.graphics.Color)	4292392674 (0xFFD8B6E2)
YUV	197.1820, 14.2073, 16.5034
Hunter-Lab	73.1750, 15.3145, -12.9402

# Details

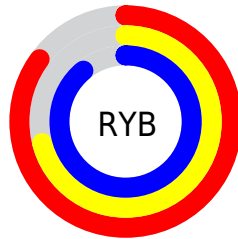
The Yxy color  $53.5458, 0.3069, 0.2796$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $68.9779, 0.3172, 0.3813$ , and the grayscale version is  $55.8616, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $89.6291, 0.3135, 0.3127$ , and  $26.2179, 0.3047, 0.2672$  is the 20% darker color. If you saturate the color by 10%, you get  $44.2556, 0.3030, 0.2529$ , and if you desaturate by 10%, it is  $64.3588, 0.3102, 0.3056$ .

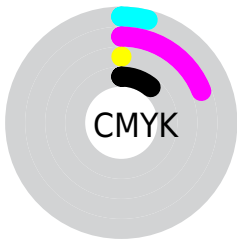
# Distribution



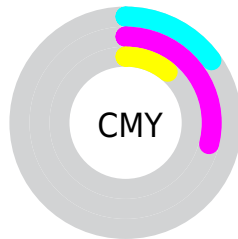
- Red (85%)
- Green (71%)
- Blue (89%)



- Red (85%)
- Yellow (71%)
- Blue (89%)



- Cyan (4%)
- Magenta (19%)
- Yellow (0%)
- Black (11%)



- Cyan (15%)
- Magenta (29%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.5458, 0.3069, 0.2796 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 53.5458, 0.3069, 0.2796 by changing the saturation by 10% instead.



53.5458, 0.3069,  
0.2796

53.5458, 0.3069,  
0.2796

400.3756, 0.3101,  
0.3028

38.2387, 0.3060,  
0.2742

95.4070, 0.3081,  
0.2877

26.1680, 0.3049,  
0.2675

122.7299, 0.3085,  
0.2909

16.9493, 0.3034,  
0.2590

154.8268, 0.3089,  
0.2936

10.1984, 0.3012,  
0.2478

192.0821, 0.3092,  
0.2959

5.5307, 0.2978,  
0.2324

234.8803, 0.3095,  
0.2979

2.5619, 0.2922,  
0.2100

283.6057, 0.3097,

0.9075, 0.2813,

0.2998

0.1750

338.6426, 0.3099,  
0.3014

0.0000, 0.2287,  
0.0000

0.0000, 0.0000,  
0.0000

53.5458, 0.3069,  
0.2796

53.5458, 0.3069,  
0.2796

44.2556, 0.3030,  
0.2529

64.3588, 0.3102,  
0.3056

36.4097, 0.2985,  
0.2263

76.7548, 0.3128,  
0.3303

29.9326, 0.2934,  
0.2008

90.7989, 0.3150,  
0.3534

24.7395, 0.2878,  
0.1774

94.9379, 0.3179,  
0.3582

■ 20.7357, 0.2818,  
0.1572

■ 95.8327, 0.3212,  
0.3579

■ 17.8133, 0.2757,  
0.1412

■ 96.7529, 0.3245,  
0.3576

■ 15.8445, 0.2695,  
0.1299

■ 97.6989, 0.3278,  
0.3573

■ 14.6201, 0.2635,  
0.1227

■ 98.2710, 0.3298,  
0.3572

■ 14.5623, 0.2632,  
0.1224

# Harmonies

## Analogous

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



53.5458, 0.2744, 0.2712



53.5458, 0.3069, 0.2796



53.5458, 0.3428, 0.2994

# Triad

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



53.5458, 0.3069, 0.2796



53.5458, 0.3750, 0.3799



53.5458, 0.2569, 0.3273

# Complementary

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



53.5458, 0.3069, 0.2796



68.9779, 0.3172, 0.3813

# 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.



53.5458, 0.2815, 0.3613



53.5458, 0.3069, 0.2796



53.5458, 0.3497, 0.3922

# Square

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



53.5458, 0.3069, 0.2796



53.5458, 0.3833, 0.3555



53.5458, 0.3153, 0.3859



53.5458, 0.2469, 0.2963



# Rectangle

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



53.5458, 0.3069, 0.2796



53.5458, 0.3634, 0.3169



53.5458, 0.3153, 0.3859



53.5458, 0.2637, 0.3389

# Sweetspot

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



53.5481, 0.3069, 0.2796



89.9700, 0.3111, 0.3142



53.2551, 0.2812, 0.2884



19.0336, 0.3110, 0.3126



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.



53.5481, 0.3069, 0.2796



65.6766, 0.3055, 0.2698



54.4957, 0.3242, 0.2931



13.7704, 0.3102, 0.3056



8.3632, 0.2642, 0.1229



0.6186, 0.2733, 0.1279



# Inverse Universe

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



53.4330, 0.3425, 0.3177



65.5352, 0.3497, 0.3154



68.2220, 0.3029, 0.3678



13.7513, 0.3256, 0.3237



9.3774, 0.5991, 0.3074



0.6636, 0.5557, 0.2835



# Previews

## White Background



This preview shows how the Yxy color 53.5458, 0.3069, 0.2796 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

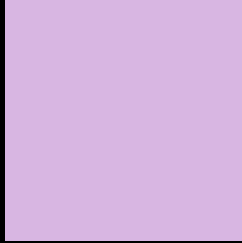
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.5458, 0.3069, 0.2796 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

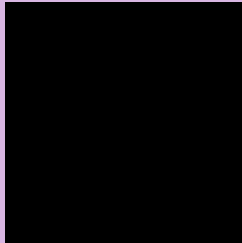
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.5458, 0.3069, 0.2796**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.5458, 0.3069, 0.2796.



This preview shows how white text looks on a background with the Yxy color 53.5458, 0.3069, 0.2796.

# 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

53.5458, 0.3069, 0.2796

### Protanopia

53.8968, 0.2788, 0.2805

### Deuteranopia

53.7018, 0.2928, 0.2868



## Tritanopia

53.3319, 0.3227, 0.3115

# Trichromacy



## Original Color

53.5458, 0.3069, 0.2796

## Protanomaly

53.4154, 0.2885, 0.2801

## Deuteranomaly

53.3914, 0.2981, 0.2840

## Tritanomaly

53.4972, 0.3165, 0.3001

# Monochromacy



## Original Color

53.5458, 0.3069, 0.2796

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

55.0907, 0.3104, 0.3101

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.5458, 0.3069, 0.2796 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(216, 182, 226)` looks like.

```
.text, #text, p{  
    color:rgb(216, 182, 226)  
}
```

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(216, 182, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 182, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 53.5458, 0.3069, 0.2796 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(216, 182, 226) }
```

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

```
.border{ border-color:rgb(216, 182, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 182, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 182, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 182, 226);  
box-shadow:4px 4px 4px 4px rgb(216, 182,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.5458, 0.3069, 0.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 182, 226) }
```

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

```
.background{ background-color: rgb(216,  
182, 226) }
```

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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