

# Converting Colors

$Yxy(53.8074, 0.3121, 0.2824)$

Have a look what the booklet for  
Yxy(53.8074, 0.3121, 0.2824)  
contains.

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# Color

**Yxy(53.9993, 0.3124, 0.2832)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCB6DF
RGB	220, 182, 223
RGB Percent	86%, 71%, 87%
CMY	0.1372, 0.2863, 0.1254
CMYK	0.01, 0.18, 0.00, 0.13
HSL	296°, 39%, 79%
HSV	296°, 18%, 87%
XYZ	59.5670, 53.9993, 77.1092
YIQ	198.0360, 9.4870, 20.8070

# Conversions

## Conversions Part 2

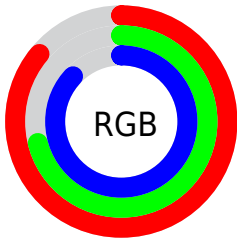
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	220, 182, 223
Decimal	14464735
CIE <sub>Lab</sub>	78.46, 20.72, -15.41
CIE <sub>LCh</sub>	78, 25.822, 323.372
Yxy	53.9993, 0.3124, 0.2832
Android (android.graphics.Color)	4292654815 (0xFFDCB6DF)
YUV	198.0360, 12.3073, 19.2624
Hunter-Lab	73.4842, 16.0965, -10.7758

# Details

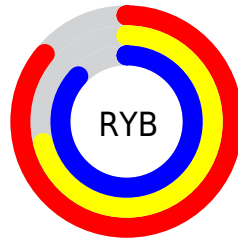
The Yxy color **53.9993, 0.3124, 0.2832** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **66.4788, 0.3125, 0.3788**, and the grayscale version is **56.4169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6291, 0.3135, 0.3127**, and **26.5270, 0.3121, 0.2720** is the 20% darker color. If you saturate the color by 10%, you get **45.3289, 0.3120, 0.2577**, and if you desaturate by 10%, it is **64.1315, 0.3126, 0.3085**.

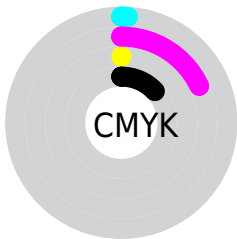
# Distribution



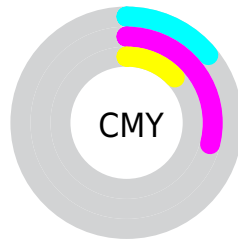
- Red (86%)
- Green (71%)
- Blue (87%)



- Red (86%)
- Yellow (71%)
- Blue (87%)



- Cyan (1%)
- Magenta (18%)
- Yellow (0%)
- Black (13%)




- Cyan (14%)
- Magenta (29%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.9993, 0.3124, 0.2832 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 53.9993, 0.3124, 0.2832 by changing the saturation by 10% instead.





 53.9993, 0.3124,  
0.2832

 53.9993, 0.3124,  
0.2832


402.1073, 0.3129,  
0.3047

 38.6011, 0.3122,  
0.2782

 96.0732, 0.3126,  
0.2907

 26.4496, 0.3119,  
0.2720


123.5177, 0.3127,  
0.2936

 17.1603, 0.3115,  
0.2641


155.7465, 0.3128,  
0.2961

 10.3488, 0.3107,  
0.2536

193.1438, 0.3128,  
0.2983

 5.6308, 0.3095,  
0.2393

236.0942, 0.3128,  
0.3002

 2.6219, 0.3070,  
0.2183

284.9820, 0.3129,

 0.9377, 0.3016,

0.3019

0.1852

340.1916, 0.3129,  
0.3034

■ 0.0000, 0.2784,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 53.9993, 0.3124,  
0.2832

■ 53.9993, 0.3124,  
0.2832

■ 45.3289, 0.3120,  
0.2577

■ 64.1315, 0.3126,  
0.3085

■ 38.0446, 0.3113,  
0.2328

■ 75.7828, 0.3127,  
0.3328

■ 32.0745, 0.3104,  
0.2095

■ 89.0156, 0.3127,  
0.3559

■ 27.3374, 0.3092,  
0.1887

■ 93.1073, 0.3134,  
0.3619

■ 23.7431, 0.3078,  
0.1714

■ 93.3738, 0.3144,  
0.3618

■ 21.1890, 0.3062,  
0.1582

■ 93.6428, 0.3154,  
0.3617

■ 19.5544, 0.3045,  
0.1494

■ 93.9144, 0.3164,  
0.3616

■ 18.6619, 0.3026,  
0.1445

■ 94.1885, 0.3175,  
0.3615

■ 18.5463, 0.3024,  
0.1439

■ 94.4652, 0.3185,  
0.3614

# Harmonies

## Analogous

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



53.9993, 0.2797, 0.2732



53.9993, 0.3124, 0.2832



53.9993, 0.3469, 0.3038

# Triad

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



53.9993, 0.3124, 0.2832



53.9993, 0.3704, 0.3813



53.9993, 0.2560, 0.3224

# Complementary

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



53.9993, 0.3124, 0.2832



66.4788, 0.3125, 0.3788

# 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.



53.9993, 0.2781, 0.3556



53.9993, 0.3124, 0.2832



53.9993, 0.3440, 0.3907

# Square

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



53.9993, 0.3124, 0.2832



53.9993, 0.3813, 0.3589



53.9993, 0.3101, 0.3816



53.9993, 0.2486, 0.2936



# Rectangle

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



53.9993, 0.3124, 0.2832



53.9993, 0.3656, 0.3215



53.9993, 0.3101, 0.3816



53.9993, 0.2619, 0.3335

# Sweetspot

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



54.0016, 0.3124, 0.2832



90.4115, 0.3127, 0.3143



50.1463, 0.2827, 0.2832



19.1383, 0.3127, 0.3127



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.



54.0016, 0.3124, 0.2832



68.5090, 0.3123, 0.2736



53.5992, 0.3284, 0.3019



13.8818, 0.3126, 0.3058



10.9242, 0.3026, 0.1441



0.7727, 0.3056, 0.1457



# Inverse Universe

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



52.6495, 0.3459, 0.3256



66.3733, 0.3545, 0.3249



66.8590, 0.2996, 0.3577



13.7168, 0.3281, 0.3273



9.2531, 0.6318, 0.3254



0.6472, 0.6093, 0.3130



# Previews

## White Background



This preview shows how the Yxy color 53.9993, 0.3124, 0.2832 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

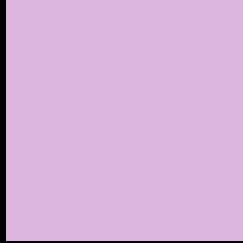
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.9993, 0.3124, 0.2832 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

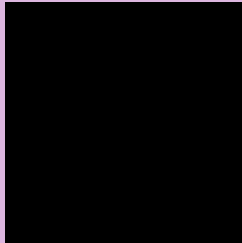
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.9993, 0.3124, 0.2832**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.9993, 0.3124, 0.2832.



This preview shows how white text looks on a background with the Yxy color 53.9993, 0.3124, 0.2832.

# 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

53.9993, 0.3124, 0.2832

### Protanopia

54.4179, 0.2822, 0.2852

### Deuteranopia

53.9485, 0.2972, 0.2904



## Tritanopia

54.0397, 0.3277, 0.3129

# Trichromacy



**Original Color**

53.9993, 0.3124, 0.2832

**Protanomaly**

54.0834, 0.2929, 0.2848

**Deuteranomaly**

53.6571, 0.3026, 0.2875

**Tritanomaly**

54.1574, 0.3222, 0.3027

# Monochromacy



**Original Color**

53.9993, 0.3124, 0.2832

**Achromatopsia**

56.4712, 0.3127, 0.3290

**Achromatomaly**

55.3261, 0.3127, 0.3114

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.9993, 0.3124, 0.2832 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(220, 182, 223)` looks like.

```
.text, #text, p{  
    color:rgb(220, 182, 223)  
}
```

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(220, 182, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 182, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 53.9993, 0.3124, 0.2832 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(220, 182, 223) }
```

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

```
.border{ border-color:rgb(220, 182, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 182, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 182, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 182, 223);  
box-shadow:4px 4px 4px 4px rgb(220, 182,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.9993, 0.3124, 0.2832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 182, 223) }
```

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

```
.background{ background-color: rgb(220,  
182, 223) }
```

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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