

# Converting Colors

Yxy(55.1604, 0.3105, 0.2888)

Have a look what the booklet for  
Yxy(55.1604, 0.3105, 0.2888)  
contains.

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# Color

**Yxy(55.1435, 0.3106, 0.2885)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9BADE
RGB	217, 186, 222
RGB Percent	85%, 73%, 87%
CMY	0.1489, 0.2706, 0.1294
CMYK	0.02, 0.16, 0.00, 0.13
HSL	292°, 35%, 80%
HSV	292°, 16%, 87%
XYZ	59.3677, 55.1435, 76.6275
YIQ	199.3730, 6.9200, 17.7680

# Conversions

## Conversions Part 2

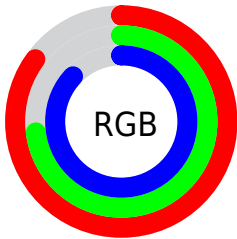
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	217, 186, 222
Decimal	14269150
CIE <sub>Lab</sub>	79.12, 17.39, -13.89
CIE <sub>LCh</sub>	79, 22.257, 321.380
Yxy	55.1435, 0.3106, 0.2885
Android (android.graphics.Color)	4292459230 (0xFFD9BADE)
YUV	199.3730, 11.1551, 15.4589
Hunter-Lab	74.2587, 12.7529, -9.2003

# Details

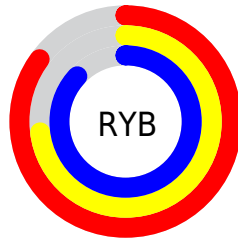
The Yxy color  $55.1435, 0.3106, 0.2885$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $66.8637, 0.3142, 0.3721$ , and the grayscale version is  $57.2843, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $91.9843, 0.3133, 0.3165$ , and  $27.2465, 0.3096, 0.2788$  is the 20% darker color. If you saturate the color by 10%, you get  $46.0423, 0.3088, 0.2626$ , and if you desaturate by 10%, it is  $65.7114, 0.3120, 0.3138$ .

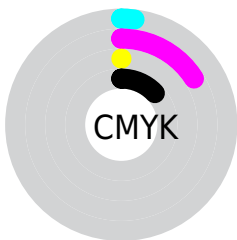
# Distribution



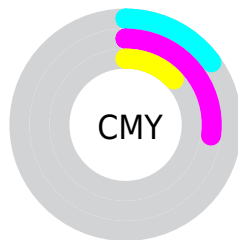
- Red (85%)
- Green (73%)
- Blue (87%)



- Red (85%)
- Yellow (73%)
- Blue (87%)



- Cyan (2%)
- Magenta (16%)
- Yellow (0%)
- Black (13%)




- Cyan (15%)
- Magenta (27%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1435, 0.3106, 0.2885 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 55.1435, 0.3106, 0.2885 by changing the saturation by 10% instead.





 55.1435, 0.3106,  
0.2885

 55.1435, 0.3106,  
0.2885

406.4557, 0.3119,  
0.3076

 39.5166, 0.3102,  
0.2841


 97.7512, 0.3111,  
0.2952

 27.1619, 0.3097,  
0.2785


125.5008, 0.3113,  
0.2978

 17.6948, 0.3090,  
0.2715


158.0600, 0.3114,  
0.3000

 10.7311, 0.3080,  
0.2622

195.8134, 0.3115,  
0.3019

 5.8863, 0.3064,  
0.2493

239.1453, 0.3116,  
0.3036

 2.7761, 0.3035,  
0.2304

288.4400, 0.3117,

 1.0160, 0.2975,

0.3051

0.2002

344.0820, 0.3118,  
0.3064

0.0000, 0.2774,  
0.0000

0.0000, 0.0000,  
0.0000

55.1435, 0.3106,  
0.2885

55.1435, 0.3106,  
0.2885

46.0423, 0.3088,  
0.2626

65.7114, 0.3120,  
0.3138

38.3337, 0.3066,  
0.2368

77.8014, 0.3131,  
0.3380


31.9478, 0.3041,  
0.2121


91.4749, 0.3139,  
0.3606

26.8061, 0.3011,  
0.1895


93.5011, 0.3157,  
0.3628

 22.8214, 0.2979,  
0.1700


 94.0106, 0.3176,  
0.3626


 19.8952, 0.2944,  
0.1545


 94.5290, 0.3195,  
0.3624


 17.9129, 0.2908,  
0.1434

 95.0565, 0.3215,  
0.3622

 16.7308, 0.2872,  
0.1367

 95.5929, 0.3234,  
0.3620

 16.3978, 0.2859,  
0.1348

 96.1385, 0.3254,  
0.3618

# Harmonies

## Analogous

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



55.1435, 0.2828, 0.2806



55.1435, 0.3106, 0.2885



55.1435, 0.3402, 0.3060

# Triad

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



55.1435, 0.3106, 0.2885



55.1435, 0.3633, 0.3731



55.1435, 0.2648, 0.3255

# Complementary

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



55.1435, 0.3106, 0.2885



66.8637, 0.3142, 0.3721

# 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.



55.1435, 0.2847, 0.3535



55.1435, 0.3106, 0.2885



55.1435, 0.3415, 0.3815

# Square

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



55.1435, 0.3106, 0.2885



55.1435, 0.3714, 0.3536



55.1435, 0.3126, 0.3746



55.1435, 0.2574, 0.3003



# Rectangle

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



55.1435, 0.3106, 0.2885



55.1435, 0.3566, 0.3211



55.1435, 0.3126, 0.3746



55.1435, 0.2702, 0.3350

# Sweetspot

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



55.1459, 0.3106, 0.2885



91.8009, 0.3122, 0.3167



53.1460, 0.2867, 0.2921



19.4117, 0.3121, 0.3150



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.



55.1459, 0.3106, 0.2885



71.6414, 0.3101, 0.2810



55.2685, 0.3244, 0.3026



13.8347, 0.3116, 0.3057



9.7754, 0.2864, 0.1351



0.7044, 0.2920, 0.1382



# Inverse Universe

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



54.4051, 0.3393, 0.3234



70.4841, 0.3451, 0.3223



66.7902, 0.3027, 0.3569



13.7312, 0.3270, 0.3258



9.2914, 0.6212, 0.3196



0.6540, 0.5852, 0.2997



# Previews

## White Background



This preview shows how the Yxy color 55.1435, 0.3106, 0.2885 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

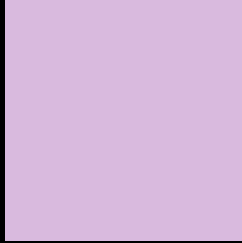
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.1435, 0.3106, 0.2885 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

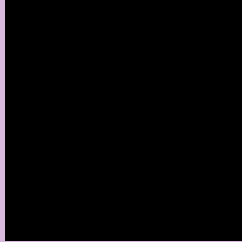
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.1435, 0.3106, 0.2885**

## Background



This preview shows how black text looks on a background with the Yxy color 55.1435, 0.3106, 0.2885.



This preview shows how white text looks on a background with the Yxy color 55.1435, 0.3106, 0.2885.

# 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

55.1435, 0.3106, 0.2885

### Protanopia

55.5788, 0.2858, 0.2901

### Deuteranopia

55.1786, 0.3002, 0.2942



## Tritanopia

55.0510, 0.3217, 0.3117

# Trichromacy



## Original Color

55.1435, 0.3106, 0.2885

## Protanomaly

55.4696, 0.2944, 0.2896

## Deuteranomaly

55.0255, 0.3041, 0.2922

## Tritanomaly

55.1167, 0.3172, 0.3027

# Monochromacy



## Original Color

55.1435, 0.3106, 0.2885

## Achromatopsia

57.1125, 0.3127, 0.3290

## Achromatomaly

56.2104, 0.3126, 0.3138

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.1435, 0.3106, 0.2885 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(217, 186, 222)` looks like.

```
.text, #text, p{  
    color:rgb(217, 186, 222)  
}
```

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(217, 186, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 186, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 55.1435, 0.3106, 0.2885 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(217, 186, 222) }
```

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

```
.border{ border-color:rgb(217, 186, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 186, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 186, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 186, 222);  
box-shadow:4px 4px 4px 4px rgb(217, 186,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.1435, 0.3106, 0.2885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 186, 222) }
```

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

```
.background{ background-color: rgb(217,  
186, 222) }
```

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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