

# Converting Colors

$Y_{xy}(55.5230, 0.3120, 0.2897)$

Have a look what the booklet for  
Yxy(55.5230, 0.3120, 0.2897)  
contains.

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# Color

**Yxy(55.2972, 0.3114, 0.2886)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DABADE
RGB	218, 186, 222
RGB Percent	85%, 73%, 87%
CMY	0.1450, 0.2706, 0.1294
CMYK	0.02, 0.16, 0.00, 0.13
HSL	293°, 35%, 80%
HSV	293°, 16%, 87%
XYZ	59.6658, 55.2972, 76.6420
YIQ	199.6720, 7.5160, 17.9800

# Conversions

## Conversions Part 2

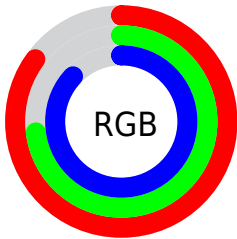
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	218, 186, 222
Decimal	14334686
CIE <sub>Lab</sub>	79.21, 17.72, -13.75
CIE <sub>LCh</sub>	79, 22.432, 322.194
Yxy	55.2972, 0.3114, 0.2886
Android (android.graphics.Color)	4292524766 (0xFFDABADE)
YUV	199.6720, 11.0077, 16.0737
Hunter-Lab	74.3621, 13.0891, -9.0543

# Details

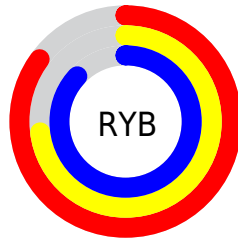
The Yxy color **55.2972, 0.3114, 0.2886** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **66.7352, 0.3135, 0.3722**, and the grayscale version is **57.4779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9843, 0.3133, 0.3165**, and **27.3516, 0.3107, 0.2790** is the 20% darker color. If you saturate the color by 10%, you get **46.2865, 0.3102, 0.2629**, and if you desaturate by 10%, it is **65.7715, 0.3123, 0.3138**.

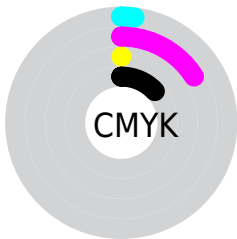
# Distribution



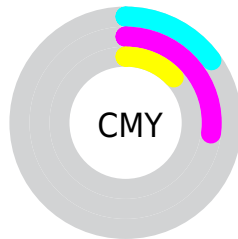
- Red (85%)
- Green (73%)
- Blue (87%)



- 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 55.2972, 0.3114, 0.2886 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 55.2972, 0.3114, 0.2886 by changing the saturation by 10% instead.




 55.2972, 0.3114,  
0.2886

 55.2972, 0.3114,  
0.2886


407.0375, 0.3123,  
0.3076

 39.6397, 0.3111,  
0.2842


 97.9763, 0.3118,  
0.2953

 27.2578, 0.3107,  
0.2787


125.7666, 0.3119,  
0.2978

 17.7669, 0.3102,  
0.2717


158.3701, 0.3120,  
0.3000

 10.7828, 0.3094,  
0.2624

196.1710, 0.3121,  
0.3020

 5.9210, 0.3080,  
0.2496

239.5539, 0.3121,  
0.3036

 2.7971, 0.3055,  
0.2308

288.9030, 0.3122,

 1.0267, 0.3004,

0.3051

0.2008

344.6027, 0.3122,  
0.3064

0.0000, 0.2876,  
0.0000

0.0000, 0.0000,  
0.0000

55.2972, 0.3114,  
0.2886

55.2972, 0.3114,  
0.2886

46.2865, 0.3102,  
0.2629

65.7715, 0.3123,  
0.3138

38.6652, 0.3087,  
0.2374

77.7648, 0.3129,  
0.3380

32.3636, 0.3069,  
0.2131

91.3384, 0.3133,  
0.3607

27.3031, 0.3047,  
0.1910

93.2612, 0.3147,  
0.3629

■ 23.3965, 0.3023,  
0.1721

■ 93.6642, 0.3163,  
0.3627

■ 20.5455, 0.2996,  
0.1572

■ 94.0730, 0.3178,  
0.3626

■ 18.6353, 0.2968,  
0.1466

■ 94.4874, 0.3194,  
0.3624

■ 17.5224, 0.2940,  
0.1404

■ 94.9076, 0.3209,  
0.3623

■ 17.2147, 0.2929,  
0.1387

■ 95.3336, 0.3225,  
0.3621

# Harmonies

## Analogous

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



55.2972, 0.2833, 0.2803



55.2972, 0.3114, 0.2886



55.2972, 0.3411, 0.3064

# Triad

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



55.2972, 0.3114, 0.2886



55.2972, 0.3632, 0.3738



55.2972, 0.2641, 0.3247

# Complementary

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



55.2972, 0.3114, 0.2886



66.7352, 0.3135, 0.3722

# 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.



55.2972, 0.2838, 0.3529



55.2972, 0.3114, 0.2886



55.2972, 0.3410, 0.3819

# Square

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



55.2972, 0.3114, 0.2886



55.2972, 0.3718, 0.3543



55.2972, 0.3118, 0.3745



55.2972, 0.2570, 0.2995



# Rectangle

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



55.2972, 0.3114, 0.2886



55.2972, 0.3575, 0.3217



55.2972, 0.3118, 0.3745



55.2972, 0.2694, 0.3342

# Sweetspot

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



55.2996, 0.3114, 0.2886



91.8674, 0.3124, 0.3167



52.6232, 0.2866, 0.2907



19.4279, 0.3123, 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.



55.2996, 0.3114, 0.2886



71.8882, 0.3111, 0.2811



55.2093, 0.3253, 0.3039



13.8548, 0.3120, 0.3058



10.2544, 0.2934, 0.1390



0.7330, 0.2979, 0.1415



# Inverse Universe

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



54.3614, 0.3401, 0.3245



70.4161, 0.3462, 0.3236



66.8465, 0.3019, 0.3555



13.7250, 0.3275, 0.3264



9.2727, 0.6263, 0.3224

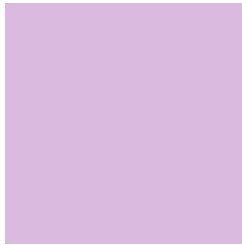


0.6511, 0.5952, 0.3053



# Previews

## White Background



This preview shows how the Yxy color 55.2972, 0.3114, 0.2886 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

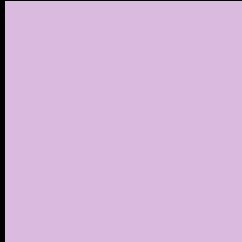
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.2972, 0.3114, 0.2886 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

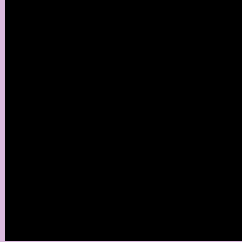
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.2972, 0.3114, 0.2886**

## Background



This preview shows how black text looks on a background with the Yxy color 55.2972, 0.3114, 0.2886.



This preview shows how white text looks on a background with the Yxy color 55.2972, 0.3114, 0.2886.

# 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

55.2972, 0.3114, 0.2886

### Protanopia

55.5788, 0.2858, 0.2901

### Deuteranopia

55.3194, 0.3010, 0.2942



## Tritanopia

55.2019, 0.3225, 0.3117

# Trichromacy



## Original Color

55.2972, 0.3114, 0.2886

## Protanomaly

55.4696, 0.2944, 0.2896

## Deuteranomaly

55.1710, 0.3049, 0.2923

## Tritanomaly

55.2685, 0.3180, 0.3027

# Monochromacy



## Original Color

55.2972, 0.3114, 0.2886

## Achromatopsia

57.7580, 0.3127, 0.3290

## Achromatomaly

56.8497, 0.3126, 0.3138

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.2972, 0.3114, 0.2886 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(218, 186, 222)` looks like.

```
.text, #text, p{  
    color:rgb(218, 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(218, 186, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 186, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 55.2972, 0.3114, 0.2886 is called "border". The border property can be set on classes, ids or directly on the HTML element.

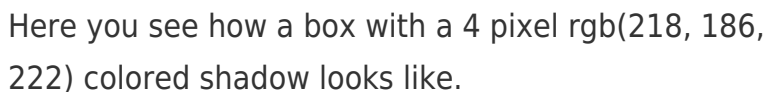
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(218, 186, 222) }
```

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

```
.border{ border-color:rgb(218, 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(218, 186, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 186, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 186, 222); box-shadow:4px 4px 4px 4px rgb(218, 186, 222) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.2972, 0.3114, 0.2886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 186, 222) }
```

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

```
.background{ background-color: rgb(218,  
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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