

# Converting Colors

$Y_{xy}(55.7137, 0.3271, 0.2955)$

Have a look what the booklet for  
Yxy(55.7137, 0.3271, 0.2955)  
contains.

<b>Yxy(55.7940, 0.3267, 0.2959)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(55.7940, 0.3267, 0.2959)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5B8D6
RGB	229, 184, 214
RGB Percent	90%, 72%, 84%
CMY	0.1018, 0.2785, 0.1607
CMYK	0.00, 0.20, 0.07, 0.10
HSL	320°, 46%, 81%
HSV	320°, 20%, 90%
XYZ	61.6016, 55.7940, 71.1614
YIQ	200.8750, 17.1900, 18.8700

# Conversions

## Conversions Part 2

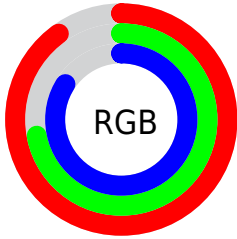
Format	Color
RYB	229, 184, 214
Decimal	15055062
CIELab	79.50, 21.08, -8.91
CIELCh	79, 22.886, 337.076
Yxy	55.7940, 0.3267, 0.2959
Android (android.graphics.Color)	4293245142 (0xFFE5B8D6)
YUV	200.8750, 6.4706, 24.6656
Hunter-Lab	74.6954, 16.4927, -4.1981

# Details

The Yxy color  $55.7940, 0.3267, 0.2959$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $70.3683, 0.3010, 0.3646$ , and the grayscale version is  $58.2819, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $90.8002, 0.3134, 0.3146$ , and  $27.6200, 0.3303, 0.2886$  is the 20% darker color. If you saturate the color by 10%, you get  $46.6590, 0.3357, 0.2784$ , and if you desaturate by 10%, it is  $66.4925, 0.3190, 0.3131$ .

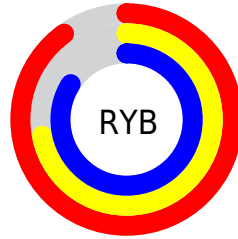
# Distribution



Red (90%)

Green (72%)

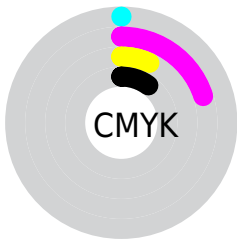
Blue (84%)



Red (90%)

Yellow (72%)

Blue (84%)

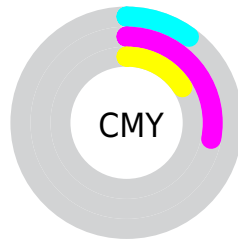


Cyan (0%)

Magenta (20%)

Yellow (7%)

Black (10%)



Cyan (10%)

Magenta (28%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.7940, 0.3267, 0.2959 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 55.7940, 0.3267, 0.2959 by changing the saturation by 10% instead.





 55.7940, 0.3267,  
0.2959

 55.7940, 0.3267,  
0.2959


408.9147, 0.3201,  
0.3115

 40.0378, 0.3282,  
0.2923


 98.7033, 0.3244,  
0.3014

 27.5680, 0.3301,  
0.2877


126.6252, 0.3235,  
0.3035

 18.0003, 0.3326,  
0.2819


159.3711, 0.3227,  
0.3053

 10.9502, 0.3358,  
0.2742

197.3254, 0.3221,  
0.3069

 6.0333, 0.3402,  
0.2635

240.8726, 0.3215,  
0.3083

 2.8654, 0.3468,  
0.2477

290.3969, 0.3210,

 1.0619, 0.3573,

0.3095

0.2220

346.2828, 0.3205,  
0.3106

0.0000, 0.4507,  
0.0000

0.0000, 0.0000,  
0.0000

55.7940, 0.3267,  
0.2959

55.7940, 0.3267,  
0.2959

46.6590, 0.3357,  
0.2784

66.4925, 0.3190,  
0.3131

39.0059, 0.3461,  
0.2610

78.8164, 0.3125,  
0.3295

32.7568, 0.3579,  
0.2447

92.8332, 0.3071,  
0.3450

27.8237, 0.3710,  
0.2305

94.7478, 0.3027,  
0.3395

■ 24.1084, 0.3851,  
0.2194

■ 95.2222, 0.2985,  
0.3318

■ 21.4993, 0.3997,  
0.2126

■ 95.4032, 0.2970,  
0.3290

■ 19.8634, 0.4143,  
0.2108

■ 18.9802, 0.4286,  
0.2136

■ 18.9552, 0.4290,  
0.2137

# Harmonies

## Analogous

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



55.7940, 0.2962, 0.2823



55.7940, 0.3267, 0.2959



55.7940, 0.3544, 0.3174

# Triad

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



55.7940, 0.3267, 0.2959



55.7940, 0.3542, 0.3804



55.7940, 0.2580, 0.3110

# Complementary

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



55.7940, 0.3267, 0.2959



70.3683, 0.3010, 0.3646

# 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.



55.7940, 0.2720, 0.3393



55.7940, 0.3267, 0.2959



55.7940, 0.3271, 0.3812

# Square

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



55.7940, 0.3267, 0.2959



55.7940, 0.3705, 0.3656



55.7940, 0.2970, 0.3659



55.7940, 0.2578, 0.2896



# Rectangle

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



55.7940, 0.3267, 0.2959



55.7940, 0.3670, 0.3340



55.7940, 0.2970, 0.3659



55.7940, 0.2612, 0.3200

# Sweetspot

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



55.7965, 0.3267, 0.2959



90.2998, 0.3165, 0.3192



51.9756, 0.2908, 0.2766



19.1119, 0.3170, 0.3181



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.



55.7965, 0.3267, 0.2959



65.7308, 0.3306, 0.2881



54.7565, 0.3446, 0.3198



14.5293, 0.3189, 0.3134



10.8575, 0.4269, 0.2125



0.8194, 0.4075, 0.2019



# Inverse Universe

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



55.7965, 0.3267, 0.2959



65.7308, 0.3306, 0.2881



71.4537, 0.2881, 0.3385



14.5293, 0.3189, 0.3134



10.8575, 0.4269, 0.2125



0.8194, 0.4075, 0.2019



# Previews

## White Background



This preview shows how the Yxy color 55.7940, 0.3267, 0.2959 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

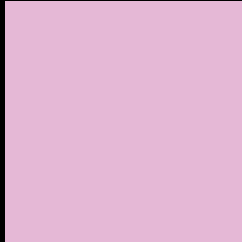
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.7940, 0.3267, 0.2959 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

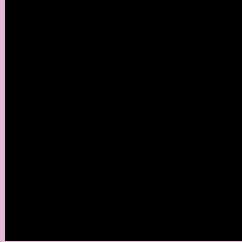
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.7940, 0.3267, 0.2959**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.7940, 0.3267, 0.2959.



This preview shows how white text looks on a background with the Yxy color 55.7940, 0.3267, 0.2959.

# 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

55.7940, 0.3267, 0.2959

### Protanopia

56.1696, 0.2935, 0.2995

### Deuteranopia

56.0587, 0.3107, 0.3047



## Tritanopia

55.6658, 0.3353, 0.3122

# Trichromacy



## Original Color

55.7940, 0.3267, 0.2959

## Protanomaly

56.0266, 0.3054, 0.2990

## Deuteranomaly

55.7982, 0.3164, 0.3017

## Tritanomaly

55.6481, 0.3322, 0.3056

# Monochromacy



## Original Color

55.7940, 0.3267, 0.2959

## Achromatopsia

58.4078, 0.3127, 0.3290

## Achromatomaly

57.3353, 0.3173, 0.3163

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.7940, 0.3267, 0.2959 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(229, 184, 214)` looks like.

```
.text, #text, p{  
    color:rgb(229, 184, 214)  
}
```

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(229, 184, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 184, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 55.7940, 0.3267, 0.2959 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(229, 184, 214) }
```

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

```
.border{ border-color:rgb(229, 184, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 184, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 184, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 184, 214);  
box-shadow:4px 4px 4px 4px rgb(229, 184,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.7940, 0.3267, 0.2959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 184, 214) }
```

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

```
.background{ background-color: rgb(229,  
184, 214) }
```

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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