

# Converting Colors

$Y_{xy}(71.9715, 0.3566, 0.2790)$

Have a look what the booklet for  
Yxy(71.9715, 0.3566, 0.2790)  
contains.

<b>Yxy(63.2717, 0.3248, 0.2733)</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(63.2717, 0.3248, 0.2733)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBBF3
RGB	255, 187, 243
RGB Percent	100%, 73%, 95%
CMY	0.0000, 0.2667, 0.0471
CMYK	0.00, 0.27, 0.05, 0.00
HSL	311°, 100%, 87%
HSV	311°, 27%, 100%
XYZ	75.1945, 63.2717, 93.0439
YIQ	213.7160, 22.5520, 31.8320

# Conversions

## Conversions Part 2

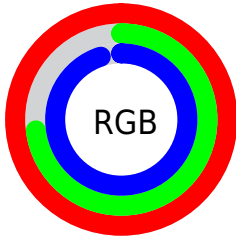
Format	Color
R <sub>Y</sub> B	255, 187, 243
Decimal	16759795
CIE Lab	83.59, 33.19, -18.09
CIE LCh	84, 37.801, 331.407
Yxy	63.2717, 0.3248, 0.2733
Android (android.graphics.Color)	4294949875 (0xFFFFBBF3)
YUV	213.7160, 14.4370, 36.2061
Hunter-Lab	79.5435, 29.5394, -13.6724

# Details

The Yxy color **63.2717, 0.3248, 0.2733** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.2074, 0.3026, 0.3920**, and the grayscale version is **66.9315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1814, 0.3132, 0.3185**, and **32.2332, 0.3264, 0.2605** is the 20% darker color. If you saturate the color by 10%, you get **53.1258, 0.3304, 0.2523**, and if you desaturate by 10%, it is **75.3413, 0.3197, 0.2946**.

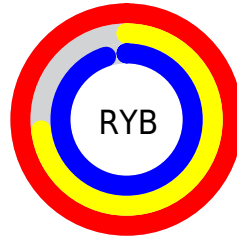
# Distribution



Red (100%)

Green (73%)

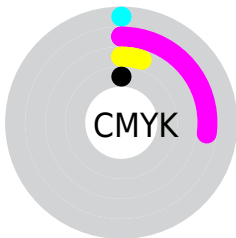
Blue (95%)



Red (100%)

Yellow (73%)

Blue (95%)

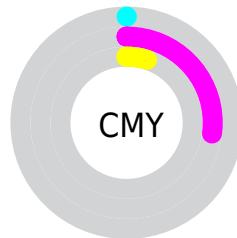


Cyan (0%)

Magenta (27%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (27%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.2717, 0.3248, 0.2733 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 63.2717, 0.3248, 0.2733 by changing the saturation by 10% instead.




 63.2717, 0.3248,  
0.2733

 63.2717, 0.3248,  
0.2733


436.5549, 0.3196,  
0.2984

 46.0610, 0.3259,  
0.2677


 109.5614, 0.3231,  
0.2819

 32.2940, 0.3272,  
0.2609


139.4092, 0.3224,  
0.2853

 21.5862, 0.3287,  
0.2524

174.2382, 0.3218,  
0.2882

 13.5531, 0.3306,  
0.2415

214.4328, 0.3213,  
0.2908

 7.8105, 0.3329,  
0.2272

260.3774, 0.3208,  
0.2930

 3.9739, 0.3358,  
0.2073

312.4563, 0.3204,

 1.6590, 0.3392,

0.2950

0.1783

371.0540, 0.3200,  
0.2968

0.3969, 0.3502,  
0.1124

0.0000, 0.2158,  
0.0000

63.2717, 0.3248,  
0.2733

63.2717, 0.3248,  
0.2733

53.1258, 0.3304,  
0.2523

75.3413, 0.3197,  
0.2946

44.8077, 0.3366,  
0.2324

89.4345, 0.3153,  
0.3155

38.2044, 0.3433,  
0.2147

100.0000, 0.3127,  
0.3290

33.1928, 0.3502,  
0.2001

■ 29.6333, 0.3571,  
0.1896

■ 27.3620, 0.3639,  
0.1837

■ 26.1731, 0.3703,  
0.1823

■ 25.9136, 0.3724,  
0.1825

# Harmonies

## Analogous

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



63.2717, 0.2779, 0.2556



63.2717, 0.3248, 0.2733



63.2717, 0.3715, 0.3034

# Triad

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



63.2717, 0.3248, 0.2733



63.2717, 0.3837, 0.4064



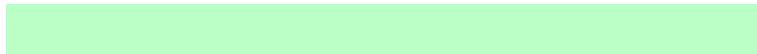
63.2717, 0.2306, 0.3067

# Complementary

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



63.2717, 0.3248, 0.2733



86.2074, 0.3026, 0.3920

# 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.



63.2717, 0.2550, 0.3537



63.2717, 0.3248, 0.2733



63.2717, 0.3427, 0.4152

# Square

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



63.2717, 0.3248, 0.2733



63.2717, 0.4064, 0.3777



63.2717, 0.2955, 0.3958



63.2717, 0.2266, 0.2713



# Rectangle

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



63.2717, 0.3248, 0.2733



63.2717, 0.3946, 0.3278



63.2717, 0.2955, 0.3958



63.2717, 0.2366, 0.3217

# Sweetspot

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



63.2698, 0.3248, 0.2733



87.4382, 0.3159, 0.3128



54.8092, 0.2740, 0.2537



18.2421, 0.3165, 0.3096



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.



63.2698, 0.3248, 0.2733



57.6280, 0.3277, 0.2620



61.4350, 0.3514, 0.3058



18.2421, 0.3165, 0.3096



13.5605, 0.3714, 0.1820



1.3341, 0.3646, 0.1782



# Inverse Universe

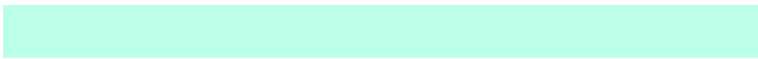
The Inverse Universe completely reimagines the original color for something new.



63.2698, 0.3248, 0.2733



57.6280, 0.3277, 0.2620



87.9293, 0.2850, 0.3537



18.2421, 0.3165, 0.3096



13.5605, 0.3714, 0.1820



1.3341, 0.3646, 0.1782



# Previews

## White Background



This preview shows how the Yxy color 63.2717, 0.3248, 0.2733 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

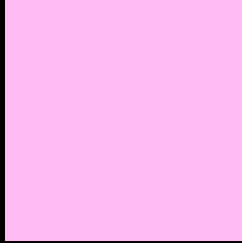
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.2717, 0.3248, 0.2733 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

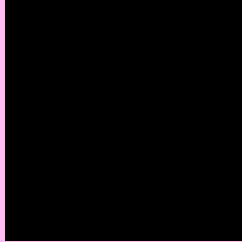
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.2717, 0.3248, 0.2733**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.2717, 0.3248, 0.2733.



This preview shows how white text looks on a background with the Yxy color 63.2717, 0.3248, 0.2733.

# 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

63.2717, 0.3248, 0.2733

### Protanopia

63.8514, 0.2755, 0.2763

### Deuteranopia

63.2993, 0.2955, 0.2886



## Tritanopia

63.0180, 0.3476, 0.3134

# Trichromacy



## Original Color

63.2717, 0.3248, 0.2733



## Protanomaly

63.3337, 0.2918, 0.2747



## Deuteranomaly

62.9414, 0.3058, 0.2824



## Tritanomaly

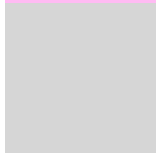
63.1775, 0.3391, 0.2983

# Monochromacy



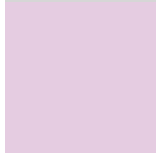
## Original Color

63.2717, 0.3248, 0.2733



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

65.2800, 0.3168, 0.3064

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.2717, 0.3248, 0.2733 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(255, 187, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 243)  
}
```

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(255, 187, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 63.2717, 0.3248, 0.2733 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(255, 187, 243) }
```

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

```
.border{ border-color:rgb(255, 187, 243) }
```

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

Here you see how a box with a 4 pixel rgb(255, 187, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.2717, 0.3248, 0.2733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 243) }
```

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

```
.background{ background-color: rgb(255,  
187, 243) }
```

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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