

Converting Colors

$Y_{xy}(63.4210, 0.3322, 0.2843)$

Have a look what the booklet for
Yxy(63.4210, 0.3322, 0.2843)
contains.

Yxy(63.5384, 0.3323, 0.2848)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(63.5384, 0.3323, 0.2848)

Conversions

Conversions Part 1

Format	Color
Hex	FFBDE9
RGB	255, 189, 233
RGB Percent	100%, 74%, 91%
CMY	0.0001, 0.2587, 0.0864
CMYK	0.00, 0.26, 0.09, 0.00
HSL	320°, 100%, 87%
HSV	320°, 26%, 100%
XYZ	74.1356, 63.5384, 85.4243
YIQ	213.7500, 25.2120, 27.6760

Conversions

Conversions Part 2

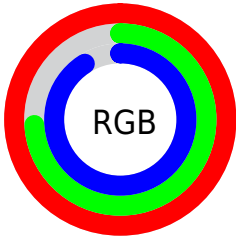
Format	Color
R _Y B	255, 189, 233
Decimal	16760297
CIE Lab	83.72, 30.41, -12.52
CIE LCh	84, 32.885, 337.619
Yxy	63.5384, 0.3323, 0.2848
Android (android.graphics.Color)	4294950377 (0xFFFFBDE9)
YUV	213.7500, 9.4902, 36.1763
Hunter-Lab	79.7110, 26.5206, -7.7420

Details

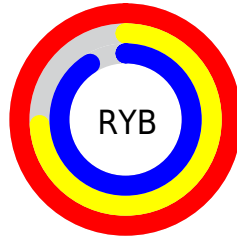
The Yxy color $63.5384, 0.3323, 0.2848$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $87.0316, 0.2974, 0.3778$, and the grayscale version is $66.9913, 0.3127, 0.3290$.

A 20% lighter version of the original color is $94.3915, 0.3131, 0.3204$, and $32.5080, 0.3376, 0.2751$ is the 20% darker color. If you saturate the color by 10%, you get $53.0431, 0.3423, 0.2672$, and if you desaturate by 10%, it is $75.9911, 0.3237, 0.3024$.

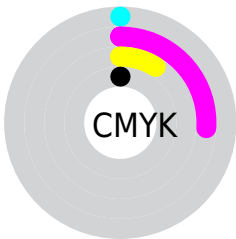
Distribution



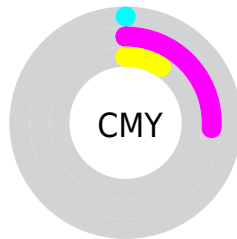
- Red (100%)
- Green (74%)
- Blue (91%)



- Red (100%)
- Yellow (74%)
- Blue (91%)



- Cyan (0%)
- Magenta (26%)
- Yellow (9%)
- Black (0%)




- Cyan (0%)
- Magenta (26%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.5384, 0.3323, 0.2848 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 63.5384, 0.3323, 0.2848 by changing the saturation by 10% instead.

 63.5384, 0.3323,
0.2848

 63.5384, 0.3323,
0.2848


437.5208, 0.3234,
0.3050

 46.2769, 0.3343,
0.2803


 109.9459, 0.3292,
0.2917

 32.4644, 0.3367,
0.2747


139.8607, 0.3280,
0.2944

 21.7165, 0.3398,
0.2677


174.7620, 0.3270,
0.2968

 13.6487, 0.3438,
0.2587

215.0343, 0.3261,
0.2988

 7.8767, 0.3491,
0.2467

261.0619, 0.3253,
0.3006

 4.0162, 0.3565,
0.2297


313.2293, 0.3246,


 1.6826, 0.3676,

0.3022

0.2042


371.9208, 0.3240,
0.3037


 0.4124, 0.3960,
0.1396


 0.0000, 0.4080,
0.0000


 63.5384, 0.3323,
0.2848

 63.5384, 0.3323,
0.2848

 53.0431, 0.3423,
0.2672


 75.9911, 0.3237,
0.3024

 44.3954, 0.3537,
0.2504

 90.4866, 0.3164,
0.3194

 37.4877, 0.3665,
0.2352

99.9957, 0.3127,
0.3290

 32.1976, 0.3803,
0.2229

■ 28.3869, 0.3950,
0.2145

■ 25.8938, 0.4098,
0.2109

■ 24.5179, 0.4242,
0.2126

■ 24.1543, 0.4301,
0.2143

Harmonies

Analogous

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



63.5384, 0.2905, 0.2665



63.5384, 0.3323, 0.2848



63.5384, 0.3708, 0.3133

Triad

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



63.5384, 0.3323, 0.2848



63.5384, 0.3685, 0.3998



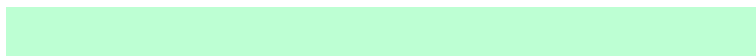
63.5384, 0.2385, 0.3026

Complementary

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



63.5384, 0.3323, 0.2848



87.0316, 0.2974, 0.3778

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.



63.5384, 0.2566, 0.3420



63.5384, 0.3323, 0.2848



63.5384, 0.3309, 0.4018

Square

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



63.5384, 0.3323, 0.2848



63.5384, 0.3919, 0.3783



63.5384, 0.2899, 0.3801



63.5384, 0.2387, 0.2744

Rectangle

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



63.5384, 0.3323, 0.2848



63.5384, 0.3881, 0.3354



63.5384, 0.2899, 0.3801



63.5384, 0.2425, 0.3150

Sweetspot

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



63.5412, 0.3323, 0.2848



87.2372, 0.3179, 0.3158



57.4724, 0.2831, 0.2578



18.1913, 0.3189, 0.3133



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.



63.5412, 0.3323, 0.2848



57.9272, 0.3372, 0.2757



61.8305, 0.3590, 0.3177



18.1913, 0.3189, 0.3133



12.6525, 0.4278, 0.2130



1.2522, 0.4124, 0.2046

Inverse Universe

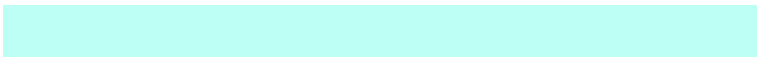
The Inverse Universe completely reimagines the original color for something new.



63.5412, 0.3323, 0.2848



57.9272, 0.3372, 0.2757



88.8578, 0.2802, 0.3407



18.1913, 0.3189, 0.3133



12.6525, 0.4278, 0.2130



1.2522, 0.4124, 0.2046

Previews

White Background



This preview shows how the Yxy color 63.5384, 0.3323, 0.2848 looks on a white background.

Color Contrast Check

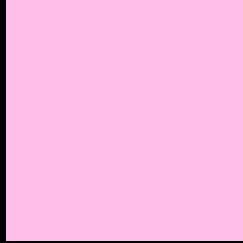
Large Text (above 18pt) WCAG AA × Fail

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 63.5384, 0.3323, 0.2848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

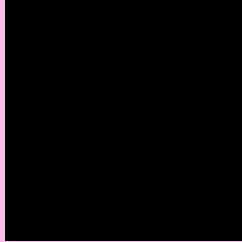
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.5384, 0.3323, 0.2848

Background



This preview shows how black text looks on a background with the Yxy color 63.5384, 0.3323, 0.2848.



This preview shows how white text looks on a background with the Yxy color 63.5384, 0.3323, 0.2848.

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

63.5384, 0.3323, 0.2848

Protanopia

63.7748, 0.2841, 0.2869

Deuteranopia

63.6407, 0.3066, 0.2995



Tritanopia

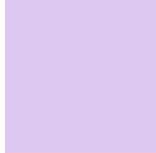
63.3894, 0.3492, 0.3135

Trichromacy



Original Color

63.5384, 0.3323, 0.2848



Protanomaly

63.0316, 0.2999, 0.2849



Deuteranomaly

63.4813, 0.3159, 0.2939



Tritanomaly

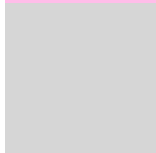
63.5917, 0.3429, 0.3034

Monochromacy



Original Color

63.5384, 0.3323, 0.2848



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

65.5411, 0.3196, 0.3117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5384, 0.3323, 0.2848 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, 189, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 233)  
}
```

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, 189, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 233) }
```

Border

The CSS property to change the border of an element to Yxy 63.5384, 0.3323, 0.2848 is called "border". The border property can be set on classes, ids or directly on the HTML element.

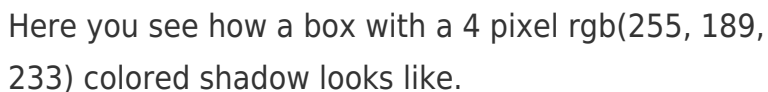
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 189, 233) }
```

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

```
.border{ border-color:rgb(255, 189, 233) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 189, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5384, 0.3323, 0.2848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 233) }
```

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

```
.background{ background-color: rgb(255,  
189, 233) }
```

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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