

Converting Colors

$Y_{xy}(75.8936, 0.3966, 0.3099)$

Have a look what the booklet for
Yxy(75.8936, 0.3966, 0.3099)
contains.

Yxy(62.8404, 0.3489, 0.3065)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(62.8404, 0.3489, 0.3065)

Conversions

Conversions Part 1

Format	Color
Hex	FFBED4
RGB	255, 190, 212
RGB Percent	100%, 75%, 83%
CMY	0.0001, 0.2549, 0.1686
CMYK	0.00, 0.25, 0.17, 0.00
HSL	340°, 100%, 87%
HSV	340°, 25%, 100%
XYZ	71.5335, 62.8404, 70.6519
YIQ	211.9430, 31.6780, 20.6220

Conversions

Conversions Part 2

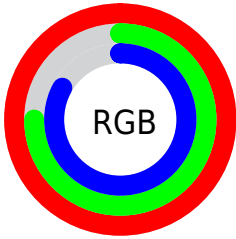
Format	Color
R _Y B	255, 190, 212
Decimal	16760532
CIE Lab	83.36, 26.54, -1.84
CIE LCh	83, 26.602, 356.032
Yxy	62.8404, 0.3489, 0.3065
Android (android.graphics.Color)	4294950612 (0xFFFFBED4)
YUV	211.9430, 0.0281, 37.7610
Hunter-Lab	79.2719, 22.3491, 2.6476

Details

The Yxy color $62.8404, 0.3489, 0.3065$ is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be $88.3413, 0.2863, 0.3528$, and the grayscale version is $65.7841, 0.3127, 0.3290$.

A 20% lighter version of the original color is $95.0015, 0.3131, 0.3214$, and $31.9130, 0.3581, 0.3014$ is the 20% darker color. If you saturate the color by 10%, you get $51.9389, 0.3689, 0.2972$, and if you desaturate by 10%, it is $75.7687, 0.3324, 0.3157$.

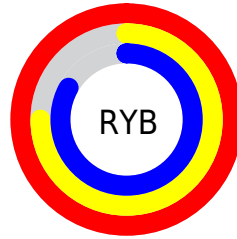
Distribution



Red (100%)

Green (75%)

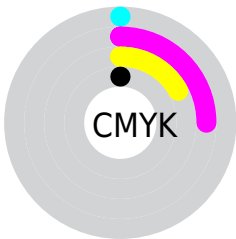
Blue (83%)



Red (100%)

Yellow (75%)

Blue (83%)

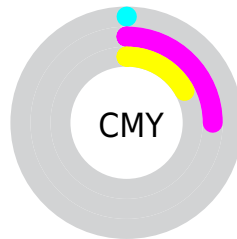


Cyan (0%)

Magenta (25%)

Yellow (17%)

Black (0%)



Cyan (0%)


Magenta (25%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.8404, 0.3489, 0.3065 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 62.8404, 0.3489, 0.3065 by changing the saturation by 10% instead.


 62.8404, 0.3489,
0.3065

 62.8404, 0.3489,
0.3065


434.9900, 0.3318,
0.3171

 45.7121, 0.3529,
0.3040


 108.9392, 0.3429,
0.3102

 32.0187, 0.3579,
0.3010


138.6785, 0.3406,
0.3116

 21.3758, 0.3644,
0.2970


173.3903, 0.3386,
0.3129

 13.3990, 0.3730,
0.2918


213.4590, 0.3368,
0.3139

 7.7038, 0.3849,
0.2846

259.2689, 0.3353,
0.3149

 3.9060, 0.4027,
0.2740


311.2044, 0.3340,

 1.6211, 0.4320,


0.3157

0.2568


369.6500, 0.3328,
0.3164


 0.3718, 0.5277,
0.1940


 0.0000, 0.0000,
0.0000


 62.8404, 0.3489,
0.3065


 62.8404, 0.3489,
0.3065

 51.9389, 0.3689,
0.2972


 75.7687, 0.3324,
0.3157

 42.9523, 0.3930,
0.2884

 90.8111, 0.3190,
0.3244

 35.7708, 0.4212,
0.2807

99.9971, 0.3127,
0.3290

 30.2699, 0.4532,
0.2754

■ 26.3093, 0.4877,
0.2738

■ 23.7252, 0.5223,
0.2769

■ 22.3158, 0.5540,
0.2850

■ 21.9342, 0.5670,
0.2897

Harmonies

Analogous

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



62.8404, 0.3155, 0.2855



62.8404, 0.3489, 0.3065



62.8404, 0.3729, 0.3334

Triad

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



62.8404, 0.3489, 0.3065



62.8404, 0.3406, 0.3893



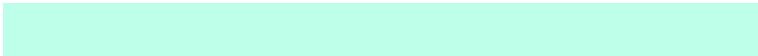
62.8404, 0.2499, 0.2923

Complementary

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



62.8404, 0.3489, 0.3065



88.3413, 0.2863, 0.3528

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.



62.8404, 0.2558, 0.3198



62.8404, 0.3489, 0.3065



62.8404, 0.3072, 0.3787

Square

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



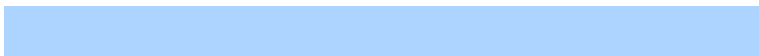
62.8404, 0.3489, 0.3065



62.8404, 0.3675, 0.3817



62.8404, 0.2764, 0.3523



62.8404, 0.2595, 0.2766

Rectangle

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



62.8404, 0.3489, 0.3065



62.8404, 0.3796, 0.3519



62.8404, 0.2764, 0.3523



62.8404, 0.2501, 0.3004

Sweetspot

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



62.8433, 0.3489, 0.3065



86.8291, 0.3221, 0.3223



61.2480, 0.2986, 0.2620



18.0886, 0.3241, 0.3210



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.



62.8433, 0.3489, 0.3065



56.5892, 0.3595, 0.3014



66.1719, 0.3647, 0.3393



18.0886, 0.3241, 0.3210



11.4876, 0.5627, 0.2873



1.1380, 0.5310, 0.2699

Inverse Universe

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



62.8433, 0.3489, 0.3065



56.5892, 0.3595, 0.3014



83.6171, 0.2743, 0.3185



18.0886, 0.3241, 0.3210



11.4876, 0.5627, 0.2873



1.1380, 0.5310, 0.2699

Previews

White Background



This preview shows how the Yxy color 62.8404, 0.3489, 0.3065 looks on a white background.

Color Contrast Check

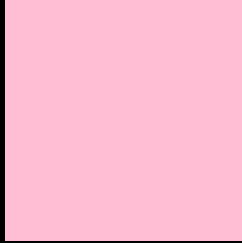
Large Text (above 18pt) WCAG AA × Fail

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 62.8404, 0.3489, 0.3065 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 62.8404, 0.3489, 0.3065

Background



This preview shows how black text looks on a background with the Yxy color 62.8404, 0.3489, 0.3065.

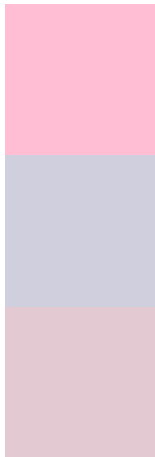


This preview shows how white text looks on a background with the Yxy color 62.8404, 0.3489, 0.3065.

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

62.8404, 0.3489, 0.3065

Protanopia

63.3095, 0.3031, 0.3120

Deuteranopia

62.7573, 0.3264, 0.3191



Tritanopia

62.7887, 0.3528, 0.3136

Trichromacy



Original Color

62.8404, 0.3489, 0.3065

Protanomaly

62.8428, 0.3190, 0.3103

Deuteranomaly

62.6402, 0.3341, 0.3140

Tritanomaly

62.8865, 0.3512, 0.3115

Monochromacy



Original Color

62.8404, 0.3489, 0.3065

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

64.4332, 0.3254, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8404, 0.3489, 0.3065 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, 190, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 212)  
}
```

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, 190, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 212) }
```

Border

The CSS property to change the border of an element to Yxy 62.8404, 0.3489, 0.3065 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, 190, 212) }
```

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

```
.border{ border-color:rgb(255, 190, 212) }
```

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

Here you see how a box with a 4 pixel rgb(255, 190, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8404, 0.3489, 0.3065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 212) }
```

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

```
.background{ background-color: rgb(255,  
190, 212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor