

Converting Colors

$Y_{xy}(76.3710, 0.3328, 0.3176)$

Have a look what the booklet for
Yxy(76.3710, 0.3328, 0.3176)
contains.

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Color

Yxy(76.4871, 0.3329, 0.3181)

Conversions

Conversions Part 1

Format	Color
Hex	FFD9E4
RGB	255, 217, 228
RGB Percent	100%, 85%, 89%
CMY	0.0001, 0.1489, 0.1060
CMYK	0.00, 0.15, 0.11, 0.00
HSL	343°, 100%, 93%
HSV	343°, 15%, 100%
XYZ	80.0458, 76.4871, 83.9170
YIQ	229.6160, 19.1170, 11.4770

Conversions

Conversions Part 2

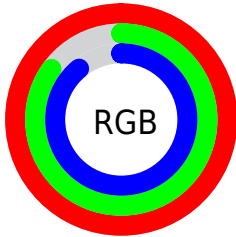
Format	Color
R _Y B	255, 217, 228
Decimal	16767460
CIE Lab	90.09, 14.91, -0.46
CIE LCh	90, 14.920, 358.217
Yxy	76.4871, 0.3329, 0.3181
Android (android.graphics.Color)	4294957540 (0xFFFFD9E4)
YUV	229.6160, -0.7967, 22.2618
Hunter-Lab	87.4569, 10.3242, 4.3297

Details

The Yxy color **76.4871, 0.3329, 0.3181** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **92.7933, 0.2959, 0.3402**, and the grayscale version is **78.8268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.8636, 0.3372, 0.3150** is the 20% darker color. If you saturate the color by 10%, you get **63.3891, 0.3504, 0.3103**, and if you desaturate by 10%, it is **91.7283, 0.3187, 0.3255**.

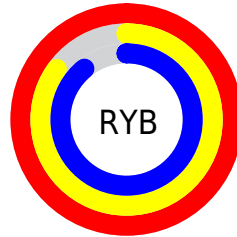
Distribution



Red (100%)

Green (85%)

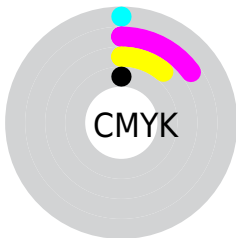
Blue (89%)



Red (100%)

Yellow (85%)

Blue (89%)

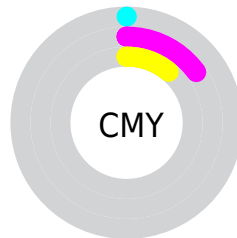


Cyan (0%)

Magenta (15%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.4871, 0.3329, 0.3181 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 76.4871, 0.3329, 0.3181 by changing the saturation by 10% instead.


 76.4871, 0.3329,
0.3181

 76.4871, 0.3329,
0.3181


483.0135, 0.3236,
0.3231

 56.8320, 0.3350,
0.3170


128.4152, 0.3297,
0.3198

 40.8704, 0.3376,
0.3156


161.4570, 0.3285,
0.3205

 28.2178, 0.3408,
0.3138


199.7299, 0.3274,
0.3211

 18.4899, 0.3451,
0.3115

243.6182, 0.3264,
0.3216

 11.3023, 0.3508,
0.3084

293.5063, 0.3256,
0.3220

 6.2705, 0.3591,
0.3040

349.7786, 0.3249,

 3.0103, 0.3718,

0.3224

0.2972

412.8196, 0.3242,
0.3228

■ 1.1371, 0.3941,
0.2854

■ 0.0094, 0.8774,
0.0221

■ 76.4871, 0.3329,
0.3181

■ 76.4871, 0.3329,
0.3181

■ 63.3891, 0.3504,
0.3103

■ 91.7283, 0.3187,
0.3255

■ 52.3280, 0.3718,
0.3024

99.9956, 0.3127,
0.3290

■ 43.2035, 0.3977,
0.2948

■ 35.9030, 0.4282,
0.2883

■ 30.3021, 0.4629,
0.2840

■ 26.2603, 0.5002,
0.2831

■ 23.6149, 0.5373,
0.2865

■ 22.1660, 0.5704,
0.2945

■ 21.7437, 0.5851,
0.2997

Harmonies

Analogous

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



76.4871, 0.3158, 0.3061



76.4871, 0.3329, 0.3181



76.4871, 0.3447, 0.3331

Triad

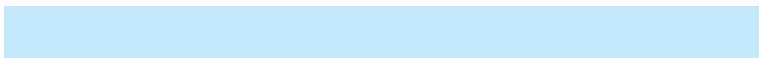
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.4871, 0.3329, 0.3181



76.4871, 0.3266, 0.3600



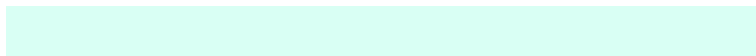
76.4871, 0.2790, 0.3092

Complementary

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



76.4871, 0.3329, 0.3181



92.7933, 0.2959, 0.3402

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.



76.4871, 0.2818, 0.3236



76.4871, 0.3329, 0.3181



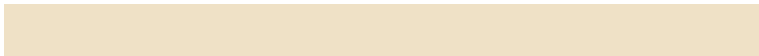
76.4871, 0.3089, 0.3536

Square

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



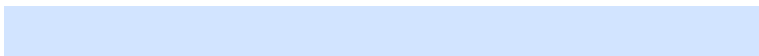
76.4871, 0.3329, 0.3181



76.4871, 0.3409, 0.3575



76.4871, 0.2926, 0.3400



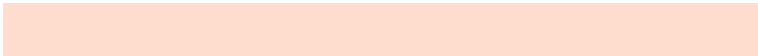
76.4871, 0.2850, 0.3007

Rectangle

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



76.4871, 0.3329, 0.3181



76.4871, 0.3477, 0.3430



76.4871, 0.2926, 0.3400



76.4871, 0.2790, 0.3135

Sweetspot

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



76.4905, 0.3329, 0.3181



93.2051, 0.3175, 0.3262



76.0136, 0.3065, 0.2911



19.6848, 0.3185, 0.3256



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

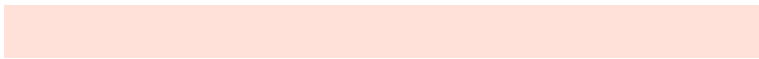
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.4905, 0.3329, 0.3181



72.2020, 0.3380, 0.3157



79.9063, 0.3395, 0.3367



18.0732, 0.3249, 0.3222



11.3861, 0.5809, 0.2974



1.1266, 0.5489, 0.2798

Inverse Universe

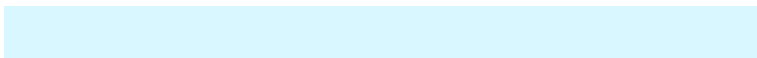
The Inverse Universe completely reimagines the original color for something new.



76.4905, 0.3329, 0.3181



72.2020, 0.3380, 0.3157



88.7305, 0.2897, 0.3212



18.0732, 0.3249, 0.3222



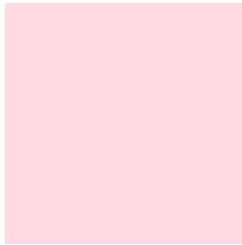
11.3861, 0.5809, 0.2974



1.1266, 0.5489, 0.2798

Previews

White Background



This preview shows how the Yxy color 76.4871, 0.3329, 0.3181 looks on a white background.

Color Contrast Check

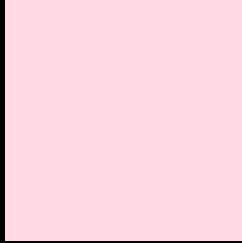
Large Text (above 18pt) WCAG AA × Fail

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 76.4871, 0.3329, 0.3181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

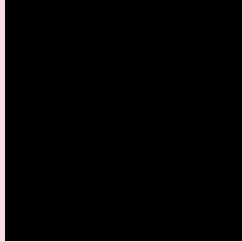
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.4871, 0.3329, 0.3181

Background



This preview shows how black text looks on a background with the Yxy color 76.4871, 0.3329, 0.3181.

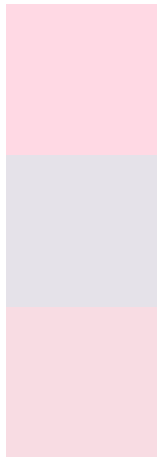


This preview shows how white text looks on a background with the Yxy color 76.4871, 0.3329, 0.3181.

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

76.4871, 0.3329, 0.3181

Protanopia

76.9339, 0.3103, 0.3217

Deuteranopia

76.6889, 0.3281, 0.3219



Tritanopia

76.2549, 0.3295, 0.3121

Trichromacy



Original Color

76.4871, 0.3329, 0.3181

Protanomaly

76.7220, 0.3180, 0.3208

Deuteranomaly

76.7183, 0.3304, 0.3210

Tritanomaly

76.1413, 0.3309, 0.3141

Monochromacy



Original Color

76.4871, 0.3329, 0.3181

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

77.8583, 0.3199, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4871, 0.3329, 0.3181 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, 217, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 228)  
}
```

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, 217, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 228) }
```

Border

The CSS property to change the border of an element to Yxy 76.4871, 0.3329, 0.3181 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, 217, 228) }
```

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

```
.border{ border-color:rgb(255, 217, 228) }
```

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

Here you see how a box with a 4 pixel rgb(255, 217, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4871, 0.3329, 0.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 228) }
```

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

```
.background{ background-color: rgb(255,  
217, 228) }
```

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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