

Converting Colors

$Y_{xy}(100.0000, 0.3753, 0.3090)$

Have a look what the booklet for
Yxy(100.0000, 0.3753, 0.3090)
contains.

Yxy(80.8749, 0.3181, 0.3036)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.8749, 0.3181, 0.3036)

Conversions

Conversions Part 1

Format	Color
Hex	FFDFF9
RGB	255, 223, 249
RGB Percent	100%, 87%, 98%
CMY	0.0000, 0.1255, 0.0235
CMYK	0.00, 0.13, 0.02, 0.00
HSL	311°, 100%, 94%
HSV	311°, 13%, 100%
XYZ	84.7375, 80.8749, 100.7740
YIQ	235.5320, 10.7260, 14.8700

Conversions

Conversions Part 2

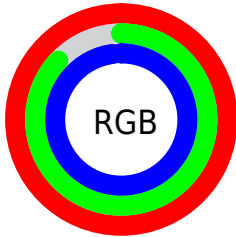
Format	Color
R _Y B	255, 223, 249
Decimal	16769017
CIE Lab	92.08, 15.38, -8.57
CIE LCh	92, 17.607, 330.879
Yxy	80.8749, 0.3181, 0.3036
Android (android.graphics.Color)	4294959097 (0xFFFFDFF9)
YUV	235.5320, 6.6397, 17.0734
Hunter-Lab	89.9305, 10.8143, -3.4876

Details

The Yxy color **80.8749, 0.3181, 0.3036** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **92.8628, 0.3078, 0.3558**, and the grayscale version is **83.4429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.8613, 0.3187, 0.2979** is the 20% darker color. If you saturate the color by 10%, you get **67.9625, 0.3231, 0.2826**, and if you desaturate by 10%, it is **95.8396, 0.3137, 0.3240**.

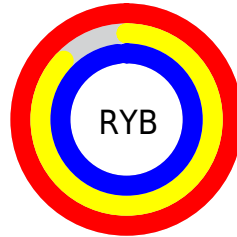
Distribution



Red (100%)

Green (87%)

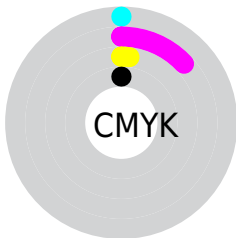
Blue (98%)



Red (100%)

Yellow (87%)

Blue (98%)

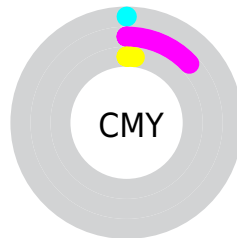


Cyan (0%)

Magenta (13%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8749, 0.3181, 0.3036 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 80.8749, 0.3181, 0.3036 by changing the saturation by 10% instead.

 80.8749, 0.3181,
0.3036

 80.8749, 0.3181,
0.3036


497.8764, 0.3158,
0.3149

 60.4386, 0.3186,
0.3011


134.5951, 0.3173,
0.3074

 43.7722, 0.3192,
0.2981

168.6478, 0.3170,
0.3090

 30.4915, 0.3199,
0.2944


208.0080, 0.3167,
0.3103

 20.2119, 0.3209,
0.2896

253.0602, 0.3165,
0.3114

 12.5492, 0.3220,
0.2833

304.1887, 0.3163,
0.3124

 7.1189, 0.3236,
0.2747

361.7780, 0.3161,

 3.5366, 0.3258,

0.3133

0.2620

426.2125, 0.3159,
0.3142

■ 1.4179, 0.3290,
0.2418

■ 0.2298, 0.3550,
0.1374

■ 80.8749, 0.3181,
0.3036

■ 80.8749, 0.3181,
0.3036

■ 67.9625, 0.3231,
0.2826

■ 95.8396, 0.3137,
0.3240

■ 57.0216, 0.3288,
0.2617

100.0000, 0.3127,
0.3290

■ 47.9503, 0.3351,
0.2414

■ 40.6416, 0.3419,
0.2229

■ 34.9778, 0.3491,
0.2070

■ 30.8267, 0.3566,
0.1949

■ 28.0358, 0.3639,
0.1872

■ 26.4203, 0.3709,
0.1842

■ 25.7787, 0.3760,
0.1845

Harmonies

Analogous

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



80.8749, 0.2977, 0.2956



80.8749, 0.3181, 0.3036



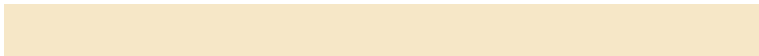
80.8749, 0.3376, 0.3178

Triad

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



80.8749, 0.3181, 0.3036



80.8749, 0.3441, 0.3627



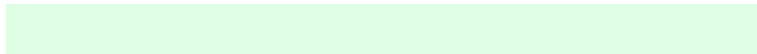
80.8749, 0.2763, 0.3209

Complementary

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



80.8749, 0.3181, 0.3036



92.8628, 0.3078, 0.3558

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.



80.8749, 0.2880, 0.3401



80.8749, 0.3181, 0.3036



80.8749, 0.3270, 0.3648

Square

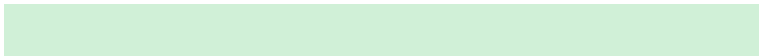
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.8749, 0.3181, 0.3036



80.8749, 0.3529, 0.3515



80.8749, 0.3064, 0.3565



80.8749, 0.2741, 0.3048

Rectangle

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



80.8749, 0.3181, 0.3036



80.8749, 0.3473, 0.3292



80.8749, 0.3064, 0.3565



80.8749, 0.2792, 0.3272

Sweetspot

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



80.8713, 0.3181, 0.3036



93.5415, 0.3143, 0.3211



76.6261, 0.2965, 0.2962



19.7700, 0.3146, 0.3196



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.



80.8713, 0.3181, 0.3036



77.5244, 0.3192, 0.2985



79.9216, 0.3287, 0.3190



18.2386, 0.3167, 0.3099



13.4909, 0.3749, 0.1839



1.3279, 0.3676, 0.1799

Inverse Universe

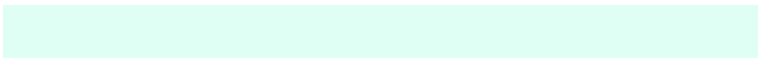
The Inverse Universe completely reimagines the original color for something new.



80.8713, 0.3181, 0.3036



77.5244, 0.3192, 0.2985



93.7910, 0.2990, 0.3393



18.2386, 0.3167, 0.3099



13.4909, 0.3749, 0.1839



1.3279, 0.3676, 0.1799

Previews

White Background



This preview shows how the Yxy color 80.8749, 0.3181, 0.3036 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 80.8749, 0.3181, 0.3036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

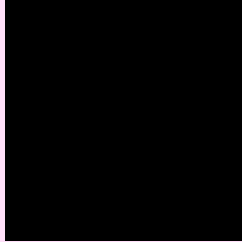
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.8749, 0.3181, 0.3036

Background



This preview shows how black text looks on a background with the Yxy color 80.8749, 0.3181, 0.3036.

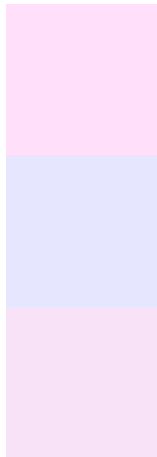


This preview shows how white text looks on a background with the Yxy color 80.8749, 0.3181, 0.3036.

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

80.8749, 0.3181, 0.3036

Protanopia

81.1306, 0.2979, 0.3056

Deuteranopia

81.1265, 0.3137, 0.3072



Tritanopia

80.7929, 0.3219, 0.3113

Trichromacy



Original Color

80.8749, 0.3181, 0.3036

Protanomaly

80.8658, 0.3051, 0.3049

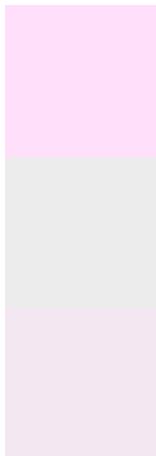
Deuteranomaly

81.1370, 0.3158, 0.3064

Tritanomaly

80.9747, 0.3199, 0.3084

Monochromacy



Original Color

80.8749, 0.3181, 0.3036

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

82.5574, 0.3145, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8749, 0.3181, 0.3036 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, 223, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 249)  
}
```

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, 223, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 249) }
```

Border

The CSS property to change the border of an element to Yxy 80.8749, 0.3181, 0.3036 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, 223, 249) }
```

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

```
.border{ border-color:rgb(255, 223, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8749, 0.3181, 0.3036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 249) }
```

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

```
.background{ background-color: rgb(255,  
223, 249) }
```

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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