

Converting Colors

$Y_{xy}(84.6215, 0.3326, 0.3017)$

Have a look what the booklet for
Yxy(84.6215, 0.3326, 0.3017)
contains.

Yxy(79.9379, 0.3169, 0.2997)	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(79.9379, 0.3169, 0.2997)

Conversions

Conversions Part 1

Format	Color
Hex	FFDDFB
RGB	255, 221, 251
RGB Percent	100%, 87%, 98%
CMY	0.0000, 0.1334, 0.0156
CMYK	0.00, 0.13, 0.02, 0.00
HSL	307°, 100%, 93%
HSV	307°, 13%, 100%
XYZ	84.5256, 79.9379, 102.2629
YIQ	234.5860, 10.6340, 16.5380

Conversions

Conversions Part 2

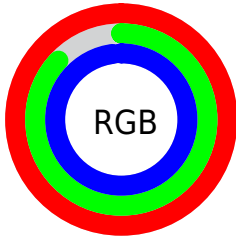
Format	Color
R _Y B	255, 221, 251
Decimal	16768507
CIE Lab	91.66, 16.79, -10.25
CIE LCh	92, 19.666, 328.600
Yxy	79.9379, 0.3169, 0.2997
Android (android.graphics.Color)	4294958587 (0xFFFFDDFB)
YUV	234.5860, 8.0921, 17.9031
Hunter-Lab	89.4080, 12.2885, -5.2290

Details

The Yxy color $79.9379, 0.3169, 0.2997$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $92.3238, 0.3088, 0.3602$, and the grayscale version is $82.6727, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.1732, 0.3180, 0.2942$ is the 20% darker color. If you saturate the color by 10%, you get $67.2884, 0.3204, 0.2771$, and if you desaturate by 10%, it is $94.6232, 0.3137, 0.3218$.

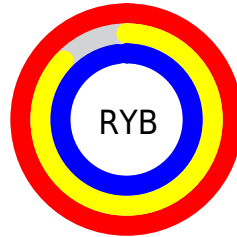
Distribution



Red (100%)

Green (87%)

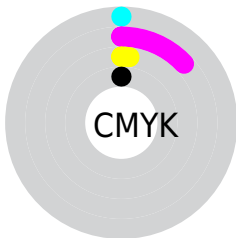
Blue (98%)



Red (100%)

Yellow (87%)

Blue (98%)

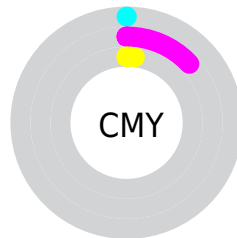


Cyan (0%)

Magenta (13%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (13%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.9379, 0.3169, 0.2997 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 79.9379, 0.3169, 0.2997 by changing the saturation by 10% instead.


 79.9379, 0.3169,
0.2997

 79.9379, 0.3169,
0.2997


494.7235, 0.3151,
0.3127

 59.6673, 0.3173,
0.2968


133.2784, 0.3163,
0.3041

 43.1505, 0.3177,
0.2934


167.1171, 0.3161,
0.3059

 30.0032, 0.3182,
0.2891


206.2472, 0.3159,
0.3074

 19.8410, 0.3188,
0.2836


251.0532, 0.3157,
0.3087

 12.2795, 0.3196,
0.2764

301.9194, 0.3155,
0.3099

 6.9344, 0.3206,
0.2665

359.2303, 0.3154,

 3.4211, 0.3219,

0.3109

0.2521

423.3702, 0.3153,
0.3119

■ 1.3553, 0.3234,
0.2292

■ 0.1834, 0.3469,
0.1090

■ 79.9379, 0.3169,
0.2997

■ 79.9379, 0.3169,
0.2997

■ 67.2884, 0.3204,
0.2771

■ 94.6232, 0.3137,
0.3218

■ 56.6008, 0.3244,
0.2546

100.0000, 0.3127,
0.3290

■ 47.7702, 0.3287,
0.2332

■ 40.6889, 0.3332,
0.2137

■ 35.2382, 0.3378,
0.1972

■ 31.2847, 0.3424,
0.1846

■ 28.6739, 0.3468,
0.1763

■ 27.2177, 0.3509,
0.1726

■ 26.7082, 0.3534,
0.1721

Harmonies

Analogous

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



79.9379, 0.2942, 0.2914



79.9379, 0.3169, 0.2997



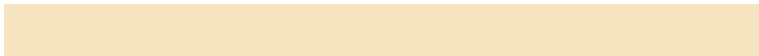
79.9379, 0.3392, 0.3151

Triad

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



79.9379, 0.3169, 0.2997



79.9379, 0.3490, 0.3661



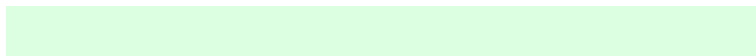
79.9379, 0.2726, 0.3214

Complementary

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



79.9379, 0.3169, 0.2997



92.3238, 0.3088, 0.3602

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.



79.9379, 0.2863, 0.3430



79.9379, 0.3169, 0.2997



79.9379, 0.3303, 0.3695

Square

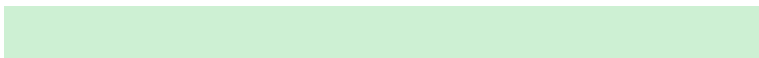
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.9379, 0.3169, 0.2997



79.9379, 0.3581, 0.3528



79.9379, 0.3073, 0.3611



79.9379, 0.2693, 0.3030

Rectangle

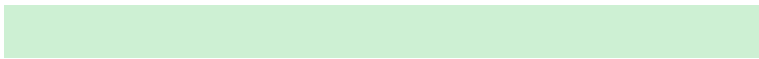
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.9379, 0.3169, 0.2997



79.9379, 0.3505, 0.3277



79.9379, 0.3073, 0.3611



79.9379, 0.2762, 0.3286

Sweetspot

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



79.9318, 0.3169, 0.2997



93.5874, 0.3139, 0.3204



74.9252, 0.2939, 0.2938



19.7816, 0.3141, 0.3187



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.



79.9318, 0.3169, 0.2997



76.3713, 0.3178, 0.2937



78.9070, 0.3283, 0.3161



18.2617, 0.3156, 0.3083



13.9702, 0.3528, 0.1717



1.3701, 0.3487, 0.1694

Inverse Universe

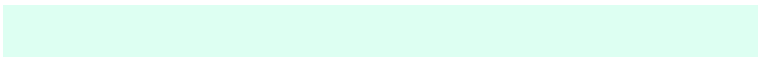
The Inverse Universe completely reimagines the original color for something new.



79.9318, 0.3169, 0.2997



76.3713, 0.3178, 0.2937



93.2983, 0.2994, 0.3423



18.2617, 0.3156, 0.3083



13.9702, 0.3528, 0.1717



1.3701, 0.3487, 0.1694

Previews

White Background



This preview shows how the Yxy color 79.9379, 0.3169, 0.2997 looks on a white background.

Color Contrast Check

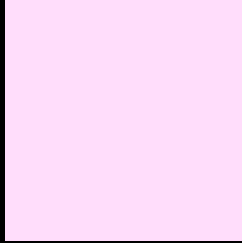
Large Text (above 18pt) WCAG AA × Fail

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 79.9379, 0.3169, 0.2997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

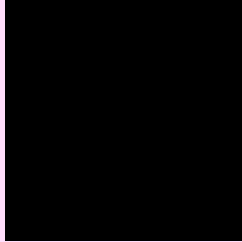
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.9379, 0.3169, 0.2997

Background



This preview shows how black text looks on a background with the Yxy color 79.9379, 0.3169, 0.2997.

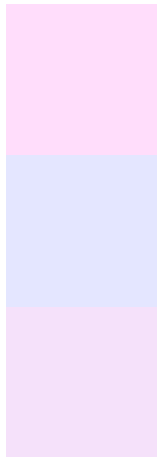


This preview shows how white text looks on a background with the Yxy color 79.9379, 0.3169, 0.2997.

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

79.9379, 0.3169, 0.2997

Protanopia

80.3076, 0.2960, 0.3035

Deuteranopia

80.1650, 0.3105, 0.3041



Tritanopia

79.9493, 0.3226, 0.3122

Trichromacy



Original Color

79.9379, 0.3169, 0.2997

Protanomaly

80.2711, 0.3032, 0.3019

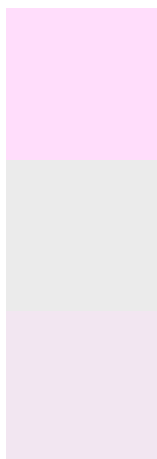
Deuteranomaly

80.3532, 0.3132, 0.3033

Tritanomaly

79.8450, 0.3208, 0.3074

Monochromacy



Original Color

79.9379, 0.3169, 0.2997

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

81.8217, 0.3139, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.9379, 0.3169, 0.2997 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, 221, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 251)  
}
```

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, 221, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 251) }
```

Border

The CSS property to change the border of an element to Yxy 79.9379, 0.3169, 0.2997 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, 221, 251) }
```

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

```
.border{ border-color:rgb(255, 221, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 221, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 79.9379, 0.3169, 0.2997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 251) }
```

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

```
.background{ background-color: rgb(255,  
221, 251) }
```

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