

Converting Colors

$Y_{xy}(100.0000, 0.3770, 0.3032)$

Have a look what the booklet for
Yxy(100.0000, 0.3770, 0.3032)
contains.

Yxy(79.5382, 0.3156, 0.2969)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.5382, 0.3156, 0.2969)

Conversions

Conversions Part 1

Format	Color
Hex	FFDCFD
RGB	255, 220, 253
RGB Percent	100%, 86%, 99%
CMY	0.0002, 0.1372, 0.0079
CMYK	0.00, 0.14, 0.01, 0.00
HSL	303°, 100%, 93%
HSV	303°, 14%, 100%
XYZ	84.5478, 79.5382, 103.8095
YIQ	234.2270, 10.2670, 17.6830

Conversions

Conversions Part 2

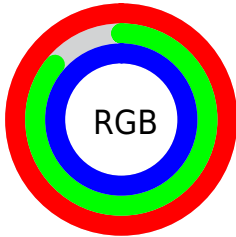
Format	Color
R_{YB}	255, 220, 253
Decimal	16768253
CIE _{Lab}	91.48, 17.60, -11.54
CIE _{LCh}	91, 21.047, 326.755
Yxy	79.5382, 0.3156, 0.2969
Android (android.graphics.Color)	4294958333 (0xFFFFDCFD)
YUV	234.2270, 9.2551, 18.2179
Hunter-Lab	89.1842, 13.1481, -6.5841

Details

The Yxy color **79.5382, 0.3156, 0.2969** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **91.9848, 0.3099, 0.3633**, and the grayscale version is **82.3816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.9016, 0.3163, 0.2906** is the 20% darker color. If you saturate the color by 10%, you get **67.0704, 0.3179, 0.2729**, and if you desaturate by 10%, it is **94.0544, 0.3135, 0.3205**.

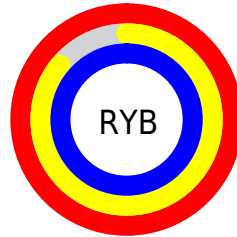
Distribution



Red (100%)

Green (86%)

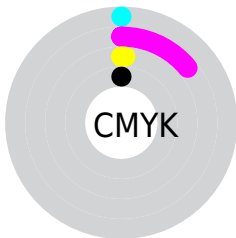
Blue (99%)



Red (100%)

Yellow (86%)

Blue (99%)

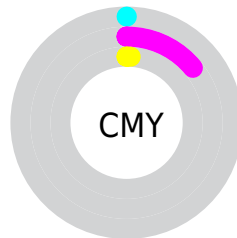


Cyan (0%)

Magenta (14%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (14%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.5382, 0.3156, 0.2969 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 79.5382, 0.3156, 0.2969 by changing the saturation by 10% instead.


 79.5382, 0.3156,
0.2969

 79.5382, 0.3156,
0.2969

493.3752, 0.3145,
0.3111

 59.3384, 0.3158,
0.2938


132.7163, 0.3152,
0.3017

 42.8856, 0.3161,
0.2900


166.4633, 0.3151,
0.3036

 29.7954, 0.3164,
0.2853


205.4950, 0.3150,
0.3053

 19.6833, 0.3167,
0.2794

250.1955, 0.3148,
0.3068

 12.1651, 0.3171,
0.2715

300.9494, 0.3147,
0.3080

 6.8562, 0.3175,
0.2608

358.1411, 0.3146,

 3.3723, 0.3178,

0.3092

0.2452

422.1549, 0.3145,
0.3102

■ 1.3291, 0.3177,
0.2205

■ 0.1635, 0.3375,
0.0943

■ 79.5382, 0.3156,
0.2969

■ 79.5382, 0.3156,
0.2969

■ 67.0704, 0.3179,
0.2729

■ 94.0544, 0.3135,
0.3205

■ 56.5486, 0.3204,
0.2493

99.9915, 0.3127,
0.3290

■ 47.8770, 0.3230,
0.2269

■ 40.9477, 0.3256,
0.2066

■ 35.6416, 0.3282,
0.1896

■ 31.8247, 0.3306,
0.1765

■ 29.3416, 0.3328,
0.1678

■ 28.0027, 0.3348,
0.1634

■ 27.5762, 0.3359,
0.1624

Harmonies

Analogous

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



79.5382, 0.2915, 0.2886



79.5382, 0.3156, 0.2969



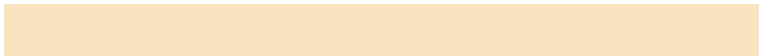
79.5382, 0.3398, 0.3129

Triad

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



79.5382, 0.3156, 0.2969



79.5382, 0.3526, 0.3681



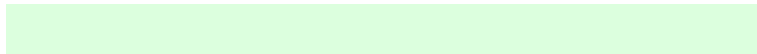
79.5382, 0.2704, 0.3222

Complementary

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



79.5382, 0.3156, 0.2969



91.9848, 0.3099, 0.3633

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.



79.5382, 0.2856, 0.3454



79.5382, 0.3156, 0.2969



79.5382, 0.3329, 0.3727

Square

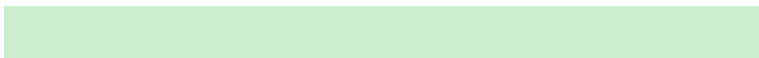
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.5382, 0.3156, 0.2969



79.5382, 0.3615, 0.3533



79.5382, 0.3084, 0.3644



79.5382, 0.2662, 0.3020

Rectangle

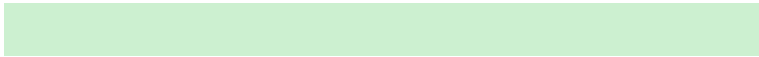
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.5382, 0.3156, 0.2969



79.5382, 0.3523, 0.3262



79.5382, 0.3084, 0.3644



79.5382, 0.2744, 0.3299

Sweetspot

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



79.5417, 0.3156, 0.2969



93.6268, 0.3135, 0.3198



73.9100, 0.2918, 0.2926



19.7916, 0.3137, 0.3180



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.



79.5417, 0.3156, 0.2969



76.5269, 0.3161, 0.2914



78.4921, 0.3272, 0.3135



18.2816, 0.3147, 0.3069



14.4225, 0.3356, 0.1623



1.4095, 0.3338, 0.1612

Inverse Universe

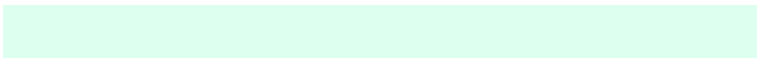
The Inverse Universe completely reimagines the original color for something new.



79.5417, 0.3156, 0.2969



76.5269, 0.3161, 0.2914



92.9570, 0.3003, 0.3451



18.2816, 0.3147, 0.3069



14.4225, 0.3356, 0.1623



1.4095, 0.3338, 0.1612

Previews

White Background



This preview shows how the Yxy color 79.5382, 0.3156, 0.2969 looks on a white background.

Color Contrast Check

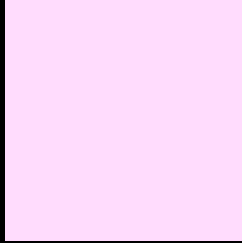
Large Text (above 18pt) WCAG AA × Fail

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 79.5382, 0.3156, 0.2969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

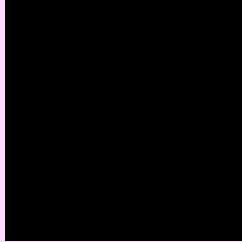
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.5382, 0.3156, 0.2969

Background



This preview shows how black text looks on a background with the Yxy color 79.5382, 0.3156, 0.2969.



This preview shows how white text looks on a background with the Yxy color 79.5382, 0.3156, 0.2969.

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

79.5382, 0.3156, 0.2969

Protanopia

79.5895, 0.2954, 0.3024

Deuteranopia

79.3943, 0.3079, 0.3011



Tritanopia

79.4165, 0.3227, 0.3112

Trichromacy



Original Color

79.5382, 0.3156, 0.2969

Protanomaly

79.5530, 0.3025, 0.3008

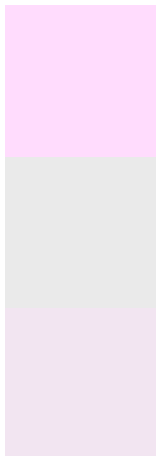
Deuteranomaly

79.5778, 0.3106, 0.3003

Tritanomaly

79.3763, 0.3202, 0.3054

Monochromacy



Original Color

79.5382, 0.3156, 0.2969

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

81.2667, 0.3140, 0.3169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.5382, 0.3156, 0.2969 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, 220, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 253)  
}
```

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, 220, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 253) }
```

Border

The CSS property to change the border of an element to Yxy 79.5382, 0.3156, 0.2969 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, 220, 253) }
```

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

```
.border{ border-color:rgb(255, 220, 253) }
```

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

Here you see how a box with a 4 pixel rgb(255, 220, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 79.5382, 0.3156, 0.2969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 253) }
```

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

```
.background{ background-color: rgb(255,  
220, 253) }
```

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