

# Converting Colors

$Y_{xy}(80.5219, 0.3005, 0.2916)$

Have a look what the booklet for  
Yxy(80.5219, 0.3005, 0.2916)  
contains.

<b>Yxy(79.9477, 0.3053, 0.2991)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(79.9477, 0.3053, 0.2991)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2E1FF
RGB	242, 225, 255
RGB Percent	95%, 88%, 100%
CMY	0.0508, 0.1177, 0.0000
CMYK	0.05, 0.12, 0.00, 0.00
HSL	274°, 100%, 94%
HSV	274°, 12%, 100%
XYZ	81.6049, 79.9477, 105.7416
YIQ	233.5030, 0.5020, 12.9340

# Conversions

## Conversions Part 2

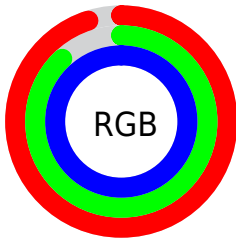
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 225, 255
Decimal	15917567
CIE Lab	91.66, 11.16, -12.43
CIE LCh	92, 16.711, 311.917
Yxy	79.9477, 0.3053, 0.2991
Android (android.graphics.Color)	4294107647 (0xFFFF2E1FF)
YUV	233.5030, 10.5980, 7.4519
Hunter-Lab	89.4135, 6.4379, -7.5277

# Details

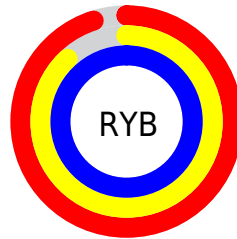
The Yxy color  $79.9477, 0.3053, 0.2991$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $95.1233, 0.3194, 0.3592$ , and the grayscale version is  $81.8082, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $43.2658, 0.3039, 0.2933$  is the 20% darker color. If you saturate the color by 10%, you get  $65.2883, 0.2978, 0.2717$ , and if you desaturate by 10%, it is  $96.7892, 0.3117, 0.3247$ .

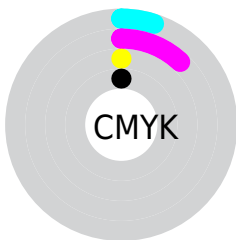
# Distribution



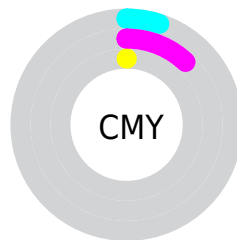
- Red (95%)
- Green (88%)
- Blue (100%)



- Red (95%)
- Yellow (88%)
- Blue (100%)



- Cyan (5%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (12%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.9477, 0.3053, 0.2991 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 79.9477, 0.3053, 0.2991 by changing the saturation by 10% instead.




 79.9477, 0.3053,  
0.2991

 79.9477, 0.3053,  
0.2991

494.7566, 0.3088,  
0.3124

 59.6753, 0.3045,  
0.2962


133.2922, 0.3065,  
0.3036

 43.1570, 0.3035,  
0.2926


167.1331, 0.3070,  
0.3054

 30.0083, 0.3022,  
0.2882


206.2656, 0.3074,  
0.3070

 19.8449, 0.3006,  
0.2825

251.0742, 0.3077,  
0.3083

 12.2823, 0.2983,  
0.2751

301.9432, 0.3080,  
0.3095

 6.9363, 0.2950,  
0.2649

359.2570, 0.3083,

 3.4223, 0.2899,

0.3106

0.2499

423.4000, 0.3086,  
0.3116

■ 1.3560, 0.2810,  
0.2260

■ 0.1839, 0.2624,  
0.1079

■ 79.9477, 0.3053,  
0.2991

■ 79.9477, 0.3053,  
0.2991

■ 65.2883, 0.2978,  
0.2717

■ 96.7892, 0.3117,  
0.3247

■ 52.7090, 0.2891,  
0.2430

100.0000, 0.3127,  
0.3290

■ 42.1128, 0.2793,  
0.2138

■ 33.3915, 0.2686,  
0.1852

■ 26.4262, 0.2571,  
0.1585

■ 21.0837, 0.2453,  
0.1351

■ 17.2112, 0.2337,  
0.1164

■ 14.6246, 0.2228,  
0.1030

■ 13.2329, 0.2145,  
0.0955

# Harmonies

## Analogous

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



79.9477, 0.2880, 0.2963



79.9477, 0.3053, 0.2991



79.9477, 0.3251, 0.3092

# Triad

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



79.9477, 0.3053, 0.2991



79.9477, 0.3491, 0.3552



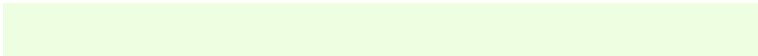
79.9477, 0.2841, 0.3329

# Complementary

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



79.9477, 0.3053, 0.2991



95.1233, 0.3194, 0.3592

# Split Complementary

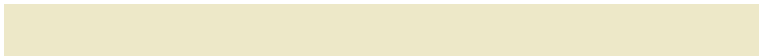
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.9477, 0.2998, 0.3501



79.9477, 0.3053, 0.2991



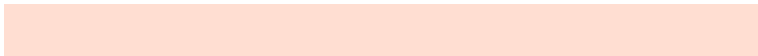
79.9477, 0.3373, 0.3630

# Square

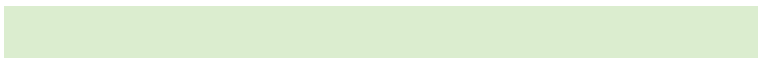
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.9477, 0.3053, 0.2991



79.9477, 0.3508, 0.3410



79.9477, 0.3192, 0.3613



79.9477, 0.2761, 0.3151



# Rectangle

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



79.9477, 0.3053, 0.2991



79.9477, 0.3370, 0.3189



79.9477, 0.3192, 0.3613



79.9477, 0.2886, 0.3390

# Sweetspot

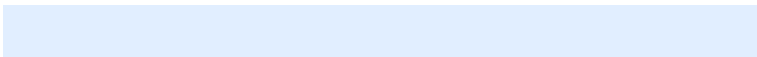
The Sweet Spot groups the original color and five complimentary colors.



79.9508, 0.3053, 0.2991



92.8383, 0.3104, 0.3192



84.3720, 0.2943, 0.3116



19.5916, 0.3099, 0.3173



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.



79.9508, 0.3053, 0.2991



76.4932, 0.3037, 0.2931



82.1972, 0.3154, 0.3018



17.8872, 0.3068, 0.3051



7.0044, 0.2161, 0.0964



0.7466, 0.2275, 0.1027



# Inverse Universe

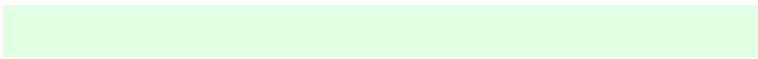
The Inverse Universe completely reimagines the original color for something new.



81.2752, 0.3253, 0.3163



78.0612, 0.3280, 0.3137



93.0716, 0.3101, 0.3578



18.1173, 0.3226, 0.3188



11.7265, 0.5253, 0.2668

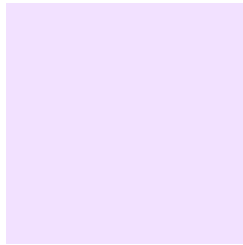


1.1632, 0.4964, 0.2508



# Previews

## White Background



This preview shows how the Yxy color 79.9477, 0.3053, 0.2991 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

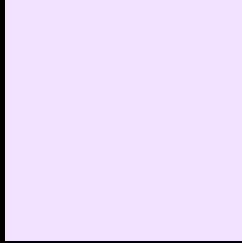
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.9477, 0.3053, 0.2991 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

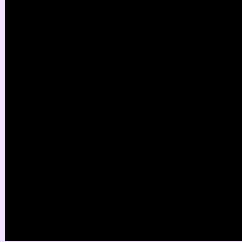
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

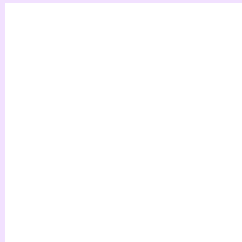
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.9477, 0.3053, 0.2991**

## Background



This preview shows how black text looks on a background with the Yxy color 79.9477, 0.3053, 0.2991.

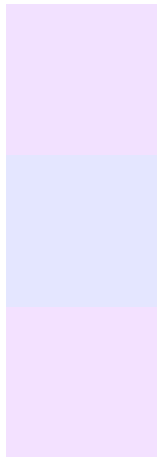


This preview shows how white text looks on a background with the Yxy color 79.9477, 0.3053, 0.2991.

# 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

79.9477, 0.3053, 0.2991

### Protanopia

80.3076, 0.2960, 0.3035

### Deuteranopia

80.1251, 0.3059, 0.2992



## **Tritanopia**

80.0560, 0.3102, 0.3108

# Trichromacy



## Original Color

79.9477, 0.3053, 0.2991

## Protanomaly

80.0304, 0.2993, 0.3017

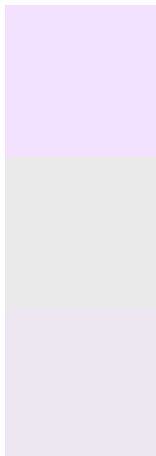
## Deuteranomaly

80.1251, 0.3059, 0.2992

## Tritanomaly

79.9330, 0.3083, 0.3059

# Monochromacy



## Original Color

79.9477, 0.3053, 0.2991

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

81.5672, 0.3099, 0.3178

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.9477, 0.3053, 0.2991 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(242, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 225, 255)  
}
```

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(242, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 225, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 79.9477, 0.3053, 0.2991 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(242, 225, 255) }
```

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

```
.border{ border-color:rgb(242, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 225,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.9477, 0.3053, 0.2991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 225, 255) }
```

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

```
.background{ background-color: rgb(242,  
225, 255) }
```

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