

# Converting Colors

$Yxy(90.7574, 0.3070, 0.3172)$

Have a look what the booklet for  
Yxy(90.7574, 0.3070, 0.3172)  
contains.

<b>Yxy(90.7337, 0.3069, 0.3173)</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(90.7337, 0.3069, 0.3173)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F3FF
RGB	245, 243, 255
RGB Percent	96%, 95%, 100%
CMY	0.0391, 0.0471, 0.0001
CMYK	0.04, 0.05, 0.00, 0.00
HSL	250°, 99%, 98%
HSV	250°, 5%, 100%
XYZ	87.7598, 90.7337, 107.4621
YIQ	244.9660, -2.6600, 4.1560

# Conversions

## Conversions Part 2

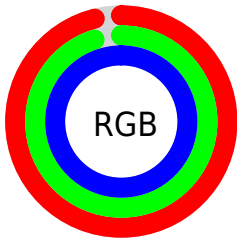
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 243, 255
Decimal	16118783
CIE Lab	96.30, 2.83, -5.51
CIE LCh	96, 6.189, 297.186
Yxy	90.7337, 0.3069, 0.3173
Android (android.graphics.Color)	4294308863 (0xFFFF5F3FF)
YUV	244.9660, 4.9468, 0.0298
Hunter-Lab	95.2542, -2.2391, -0.2107

# Details

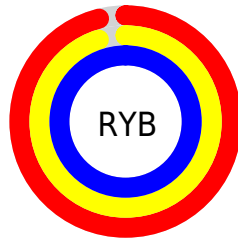
The Yxy color **90.7337, 0.3069, 0.3173** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **98.8362, 0.3184, 0.3405**, and the grayscale version is **91.2474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.4367, 0.3060, 0.3153** is the 20% darker color. If you saturate the color by 10%, you get **72.9301, 0.2931, 0.2901**, and if you desaturate by 10%, it is **99.9975, 0.3127, 0.3290**.

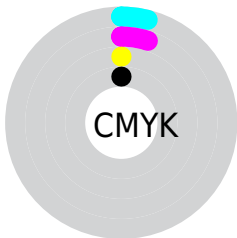
# Distribution



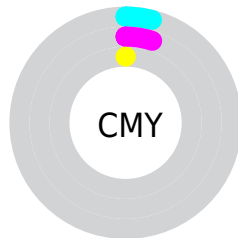
- Red (96%)
- Green (95%)
- Blue (100%)



- Red (96%)
- Yellow (95%)
- Blue (100%)



- Cyan (4%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.7337, 0.3069, 0.3173 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 90.7337, 0.3069, 0.3173 by changing the saturation by 10% instead.



 90.7337, 0.3069,  
0.3173

 90.7337, 0.3069,  
0.3173


530.4147, 0.3095,  
0.3225

 68.5893, 0.3063,  
0.3162


148.3571, 0.3078,  
0.3191

 50.3773, 0.3056,  
0.3148


184.6050, 0.3081,  
0.3197

 35.7133, 0.3048,  
0.3131


226.3227, 0.3084,  
0.3204

 24.2129, 0.3037,  
0.3109

273.8949, 0.3087,  
0.3209

 15.4916, 0.3022,  
0.3081

327.7057, 0.3089,  
0.3214

 9.1651, 0.3001,  
0.3042

388.1397, 0.3091,

 4.8490, 0.2971,

0.3218

0.2985

455.5812, 0.3093,  
0.3221

■ 2.1590, 0.2923,  
0.2895

■ 0.6975, 0.2831,  
0.2698

■ 90.7337, 0.3069,  
0.3173

■ 90.7337, 0.3069,  
0.3173

■ 72.9301, 0.2931,  
0.2901

99.9975, 0.3127,  
0.3290

■ 57.5756, 0.2774,  
0.2600

■ 44.5658, 0.2600,  
0.2274

■ 33.7845, 0.2411,  
0.1933

■ 25.1052, 0.2216,  
0.1593

■ 18.3888, 0.2024,  
0.1276

■ 13.4792, 0.1850,  
0.1005

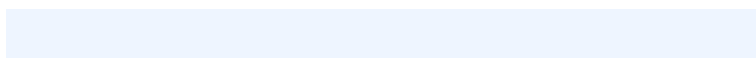
■ 10.1957, 0.1707,  
0.0801

■ 8.3190, 0.1603,  
0.0675

# Harmonies

## Analogous

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



90.7337, 0.3016, 0.3179



90.7337, 0.3069, 0.3173



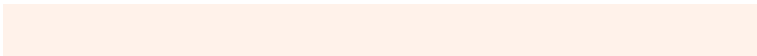
90.7337, 0.3138, 0.3197

# Triad

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



90.7337, 0.3069, 0.3173



90.7337, 0.3263, 0.3363



90.7337, 0.3050, 0.3335

# Complementary

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



90.7337, 0.3069, 0.3173



98.8362, 0.3184, 0.3405

# 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.



90.7337, 0.3116, 0.3386



90.7337, 0.3069, 0.3173



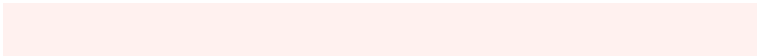
90.7337, 0.3239, 0.3401

# Square

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



90.7337, 0.3069, 0.3173



90.7337, 0.3250, 0.3306



90.7337, 0.3185, 0.3410



90.7337, 0.3006, 0.3273



# Rectangle

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



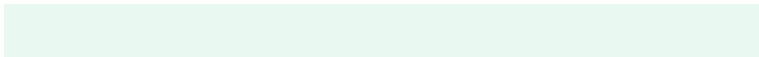
90.7337, 0.3069, 0.3173



90.7337, 0.3184, 0.3227



90.7337, 0.3185, 0.3410



90.7337, 0.3070, 0.3354

# Sweetspot

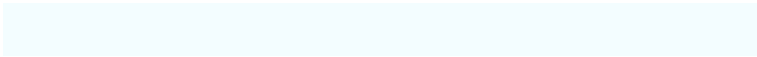
The Sweet Spot groups the original color and five complimentary colors.



90.7376, 0.3069, 0.3173



97.9845, 0.3115, 0.3266



96.5029, 0.3054, 0.3270



20.9940, 0.3116, 0.3267



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.



90.7376, 0.3069, 0.3173



88.2940, 0.3052, 0.3139



91.8237, 0.3107, 0.3174



18.6377, 0.3043, 0.3122



4.0877, 0.1573, 0.0640



0.4373, 0.1664, 0.0690



# Inverse Universe

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



92.4417, 0.3145, 0.3195



90.4574, 0.3150, 0.3168



97.7387, 0.3146, 0.3406



19.1492, 0.3153, 0.3154



13.6035, 0.3693, 0.1808

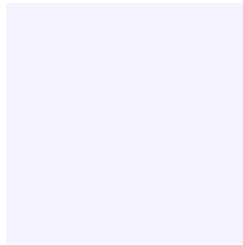


1.3379, 0.3628, 0.1772



# Previews

## White Background



This preview shows how the Yxy color 90.7337, 0.3069, 0.3173 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

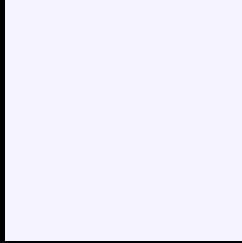
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.7337, 0.3069, 0.3173 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

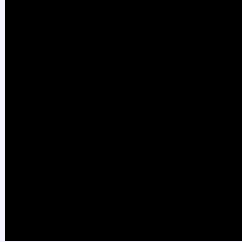
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 90.7337, 0.3069, 0.3173**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.7337, 0.3069, 0.3173.

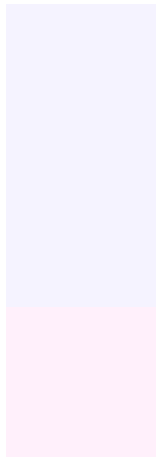


This preview shows how white text looks on a background with the Yxy color 90.7337, 0.3069, 0.3173.

# 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

90.7337, 0.3069, 0.3173

### Protanopia

90.7337, 0.3069, 0.3173

### Deuteranopia

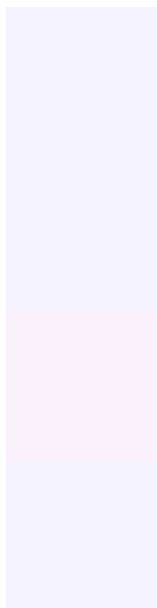
90.5452, 0.3158, 0.3184



## Tritanopia

90.7337, 0.3069, 0.3173

# Trichromacy



## Original Color

90.7337, 0.3069, 0.3173

## Protanomaly

90.7337, 0.3069, 0.3173

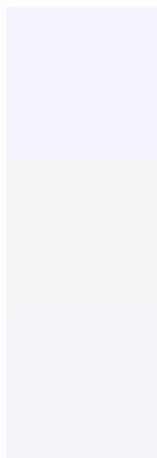
## Deuteranomaly

90.4481, 0.3126, 0.3183

## Tritanomaly

90.7337, 0.3069, 0.3173

# Monochromacy



## Original Color

90.7337, 0.3069, 0.3173

## Achromatopsia

91.3099, 0.3127, 0.3290

## Achromatomaly

90.9534, 0.3104, 0.3241

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.7337, 0.3069, 0.3173 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(245, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 243, 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(245, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 243, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 90.7337, 0.3069, 0.3173 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(245, 243, 255) }
```

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

```
.border{ border-color:rgb(245, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 243,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.7337, 0.3069, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 243, 255) }
```

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

```
.background{ background-color: rgb(245,  
243, 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