

# Converting Colors

$Yxy(90.3545, 0.3034, 0.3138)$

Have a look what the booklet for  
Yxy(90.3545, 0.3034, 0.3138)  
contains.

<b>Yxy(90.3759, 0.3056, 0.3172)</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(90.3759, 0.3056, 0.3172)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3F3FF
RGB	243, 243, 255
RGB Percent	95%, 95%, 100%
CMY	0.0469, 0.0471, 0.0000
CMYK	0.05, 0.05, 0.00, 0.00
HSL	240°, 100%, 98%
HSV	240°, 5%, 100%
XYZ	87.0709, 90.3759, 107.4710
YIQ	244.3680, -3.8520, 3.7320

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 243, 255
Decimal	15987711
CIE <sub>Lab</sub>	96.15, 2.19, -5.77
CIE <sub>LCh</sub>	96, 6.166, 290.776
Yxy	90.3759, 0.3056, 0.3172
Android (android.graphics.Color)	4294177791 (0xFFFF3F3FF)
YUV	244.3680, 5.2416, -1.1997
Hunter-Lab	95.0662, -2.8784, -0.4801

# Details

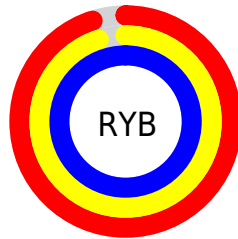
The Yxy color 90.3759, 0.3056, 0.3172 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 99.2448, 0.3197, 0.3405, and the grayscale version is 90.7413, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 50.1827, 0.3044, 0.3152 is the 20% darker color. If you saturate the color by 10%, you get 71.9455, 0.2889, 0.2896, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

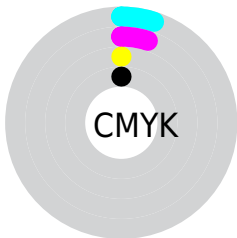
# Distribution



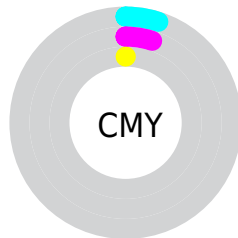
- Red (95%)
- Green (95%)
- Blue (100%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.3759, 0.3056, 0.3172 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 90.3759, 0.3056, 0.3172 by changing the saturation by 10% instead.




 90.3759, 0.3056,  
0.3172

 90.3759, 0.3056,  
0.3172


529.2529, 0.3088,  
0.3224

 68.2925, 0.3049,  
0.3161

147.8604, 0.3067,  
0.3190

 50.1357, 0.3040,  
0.3147


184.0303, 0.3071,  
0.3197

 35.5212, 0.3030,  
0.3129


225.6644, 0.3075,  
0.3203

 24.0647, 0.3016,  
0.3108

273.1472, 0.3078,  
0.3208

 15.3816, 0.2998,  
0.3079

326.8631, 0.3081,  
0.3213

 9.0876, 0.2974,  
0.3039

387.1964, 0.3083,

 4.7984, 0.2937,

0.3217

0.2981

454.5315, 0.3086,  
0.3221

■ 2.1295, 0.2878,  
0.2889

■ 0.6811, 0.2761,  
0.2684

■ 90.3759, 0.3056,  
0.3172

■ 90.3759, 0.3056,  
0.3172

■ 71.9455, 0.2889,  
0.2896

100.0000, 0.3127,  
0.3290

■ 56.1458, 0.2702,  
0.2585

■ 42.8598, 0.2497,  
0.2245

■ 31.9579, 0.2280,  
0.1888

■ 23.2990, 0.2065,  
0.1531

■ 16.7274, 0.1866,  
0.1202

■ 12.0670, 0.1700,  
0.0929

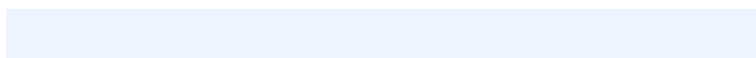
■ 9.1134, 0.1582,  
0.0734

■ 7.6152, 0.1518,  
0.0629

# Harmonies

## Analogous

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



90.3759, 0.3009, 0.3185



90.3759, 0.3056, 0.3172



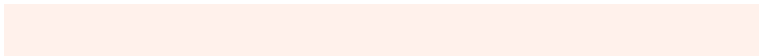
90.3759, 0.3123, 0.3190

# Triad

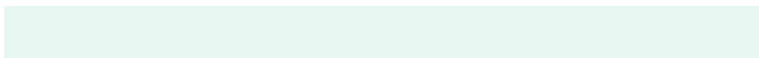
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.3759, 0.3056, 0.3172



90.3759, 0.3263, 0.3351



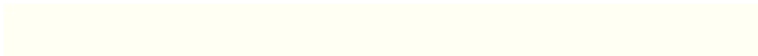
90.3759, 0.3063, 0.3348

# Complementary

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



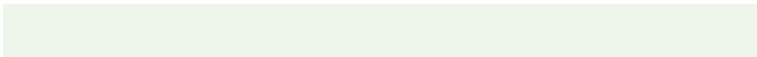
90.3759, 0.3056, 0.3172



99.2448, 0.3197, 0.3405

# Split Complementary

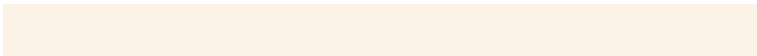
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.3759, 0.3131, 0.3393



90.3759, 0.3056, 0.3172



90.3759, 0.3247, 0.3395

# Square

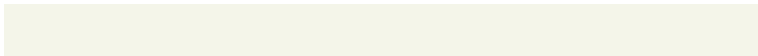
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



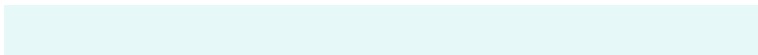
90.3759, 0.3056, 0.3172



90.3759, 0.3243, 0.3293



90.3759, 0.3198, 0.3411



90.3759, 0.3013, 0.3286



# Rectangle

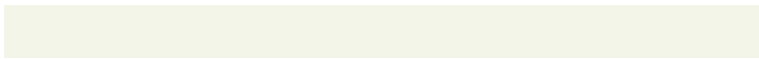
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



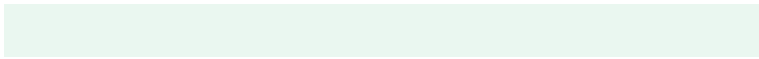
90.3759, 0.3056, 0.3172



90.3759, 0.3169, 0.3217



90.3759, 0.3198, 0.3411



90.3759, 0.3085, 0.3365

# Sweetspot

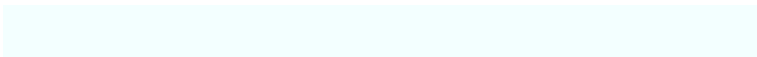
The Sweet Spot groups the original color and five complimentary colors.



90.3790, 0.3056, 0.3172



97.9046, 0.3112, 0.3266



97.7941, 0.3054, 0.3290



20.9777, 0.3113, 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.



90.3790, 0.3056, 0.3172



87.8436, 0.3036, 0.3138



91.4587, 0.3094, 0.3174



18.5317, 0.3025, 0.3121



3.7759, 0.1501, 0.0600



0.3684, 0.1503, 0.0602



# Inverse Universe

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



92.5772, 0.3133, 0.3175



90.6211, 0.3134, 0.3144



98.1303, 0.3159, 0.3406



19.1880, 0.3135, 0.3127



14.8590, 0.3216, 0.1545

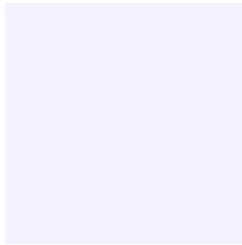


1.4470, 0.3215, 0.1545



# Previews

## White Background



This preview shows how the Yxy color 90.3759, 0.3056, 0.3172 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

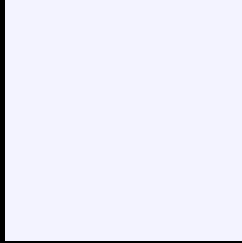
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.3759, 0.3056, 0.3172 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 90.3759, 0.3056, 0.3172**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.3759, 0.3056, 0.3172.



This preview shows how white text looks on a background with the Yxy color 90.3759, 0.3056, 0.3172.

# 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

90.3759, 0.3056, 0.3172

### Protanopia

90.1367, 0.3069, 0.3163

### Deuteranopia

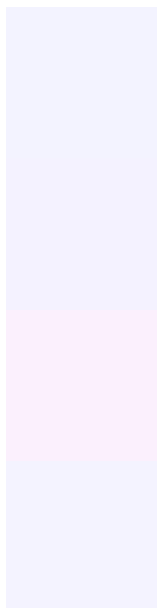
90.0213, 0.3153, 0.3165



## Tritanopia

90.5543, 0.3062, 0.3172

# Trichromacy



## Original Color

90.3759, 0.3056, 0.3172

## Protanomaly

89.9574, 0.3062, 0.3163

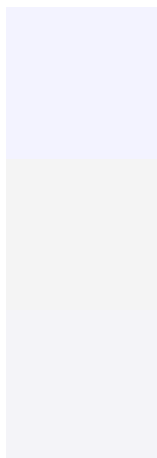
## Deuteranomaly

89.9213, 0.3120, 0.3164

## Tritanomaly

90.5543, 0.3062, 0.3172

# Monochromacy



## Original Color

90.3759, 0.3056, 0.3172

## Achromatopsia

90.4661, 0.3127, 0.3290

## Achromatomaly

90.7118, 0.3103, 0.3251

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  90.3759, 0.3056, 0.3172 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(243, 243, 255)` looks like.

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

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

## Border

The CSS property to change the border of an element to Yxy 90.3759, 0.3056, 0.3172 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(243, 243, 255) }
```

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

```
.border{ border-color:rgb(243, 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(243, 243, 255)` colored shadow looks like.

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



# Background

The CSS property to change the background color of an element to Yxy 90.3759, 0.3056, 0.3172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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