

# Converting Colors

Yxy(90.6682, 0.3054, 0.3178)

Have a look what the booklet for  
Yxy(90.6682, 0.3054, 0.3178)  
contains.

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# Color

**Yxy(90.9761, 0.3056, 0.3182)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3F4FF
RGB	243, 244, 255
RGB Percent	95%, 96%, 100%
CMY	0.0469, 0.0432, 0.0000
CMYK	0.05, 0.04, 0.00, 0.00
HSL	235°, 100%, 98%
HSV	235°, 5%, 100%
XYZ	87.3737, 90.9761, 107.5588
YIQ	244.9550, -4.1270, 3.2090

# Conversions

## Conversions Part 2

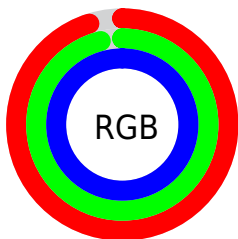
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 244, 255
Decimal	15987967
CIE <sub>Lab</sub>	96.40, 1.68, -5.39
CIE <sub>LCh</sub>	96, 5.649, 287.321
Yxy	90.9761, 0.3056, 0.3182
Android (android.graphics.Color)	4294178047 (0xFFFF3F4FF)
YUV	244.9550, 4.9522, -1.7145
Hunter-Lab	95.3814, -3.4034, -0.0926

# Details

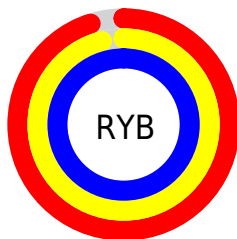
The Yxy color **90.9761, 0.3056, 0.3182** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **98.6488, 0.3197, 0.3396**, and the grayscale version is **91.2418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.6085, 0.3044, 0.3165** is the 20% darker color. If you saturate the color by 10%, you get **73.5118, 0.2890, 0.2928**, and if you desaturate by 10%, it is **99.9998, 0.3127, 0.3290**.

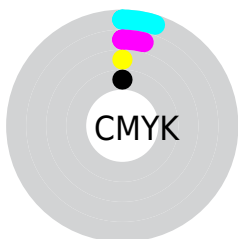
# Distribution



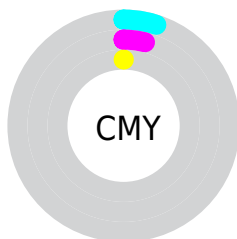
- Red (95%)
- Green (96%)
- Blue (100%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.9761, 0.3056, 0.3182 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 90.9761, 0.3056, 0.3182 by changing the saturation by 10% instead.




 90.9761, 0.3056,  
0.3182

 90.9761, 0.3056,  
0.3182


531.2010, 0.3088,  
0.3230

 68.7905, 0.3049,  
0.3172


148.6935, 0.3067,  
0.3198

 50.5411, 0.3041,  
0.3159


184.9941, 0.3071,  
0.3205

 35.8435, 0.3030,  
0.3143


226.7685, 0.3075,  
0.3210

 24.3134, 0.3017,  
0.3123

274.4010, 0.3078,  
0.3215

 15.5663, 0.2999,  
0.3097

328.2762, 0.3081,  
0.3219

 9.2178, 0.2974,  
0.3060

388.7783, 0.3083,

 4.8835, 0.2938,

0.3223

0.3008

456.2917, 0.3086,  
0.3227

■ 2.1791, 0.2880,  
0.2923

■ 0.7085, 0.2766,  
0.2743

■ 90.9761, 0.3056,  
0.3182

■ 90.9761, 0.3056,  
0.3182

■ 73.5118, 0.2890,  
0.2928

99.9998, 0.3127,  
0.3290

■ 58.3803, 0.2706,  
0.2643

■ 45.4862, 0.2507,  
0.2330

■ 34.7232, 0.2298,  
0.1997

■ 25.9762, 0.2090,  
0.1659

■ 19.1193, 0.1896,  
0.1336

■ 14.0124, 0.1731,  
0.1052

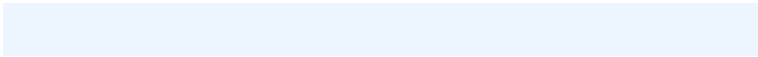
■ 10.4956, 0.1607,  
0.0831

■ 8.3794, 0.1533,  
0.0685

# Harmonies

## Analogous

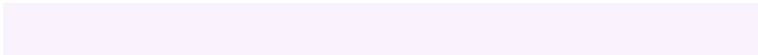
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9761, 0.3016, 0.3197



90.9761, 0.3056, 0.3182



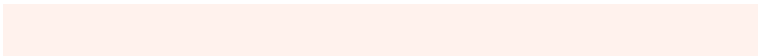
90.9761, 0.3116, 0.3195

# Triad

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



90.9761, 0.3056, 0.3182



90.9761, 0.3251, 0.3341



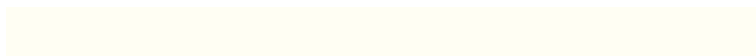
90.9761, 0.3075, 0.3348

# Complementary

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



90.9761, 0.3056, 0.3182



98.6488, 0.3197, 0.3396

# Split Complementary

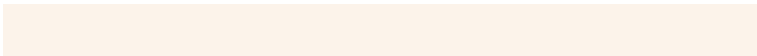
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.9761, 0.3138, 0.3388



90.9761, 0.3056, 0.3182



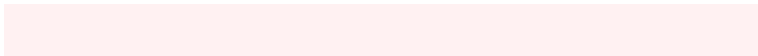
90.9761, 0.3240, 0.3383

# Square

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



90.9761, 0.3056, 0.3182



90.9761, 0.3229, 0.3286



90.9761, 0.3198, 0.3400



90.9761, 0.3027, 0.3293



# Rectangle

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



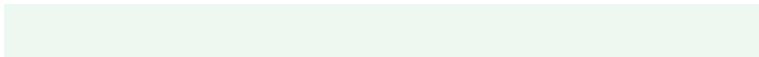
90.9761, 0.3056, 0.3182



90.9761, 0.3158, 0.3218



90.9761, 0.3198, 0.3400



90.9761, 0.3095, 0.3364

# Sweetspot

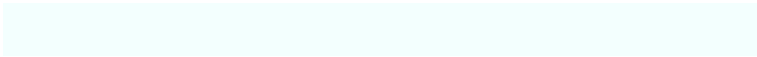
The Sweet Spot groups the original color and five complimentary colors.



90.9800, 0.3056, 0.3182



98.0306, 0.3112, 0.3268



97.7368, 0.3059, 0.3299



21.0033, 0.3113, 0.3269



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.



90.9800, 0.3056, 0.3182



88.5513, 0.3035, 0.3151



91.3099, 0.3088, 0.3174



18.6982, 0.3025, 0.3135



4.1185, 0.1514, 0.0649

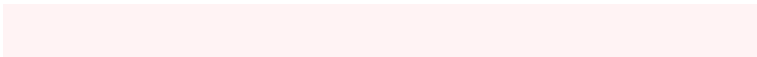


0.4770, 0.1544, 0.0757



# Inverse Universe

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



91.9196, 0.3199, 0.3281



89.7493, 0.3221, 0.3278



98.3191, 0.3165, 0.3406



18.9819, 0.3232, 0.3277



11.1437, 0.6317, 0.3254

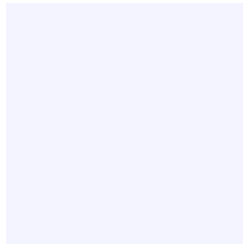


1.0927, 0.6140, 0.3156



# Previews

## White Background



This preview shows how the Yxy color 90.9761, 0.3056, 0.3182 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

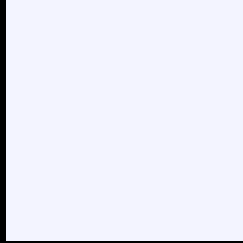
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.9761, 0.3056, 0.3182 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 90.9761, 0.3056, 0.3182**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.9761, 0.3056, 0.3182.



This preview shows how white text looks on a background with the Yxy color 90.9761, 0.3056, 0.3182.

# 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

90.9761, 0.3056, 0.3182

### Protanopia

90.8498, 0.3081, 0.3183

### Deuteranopia

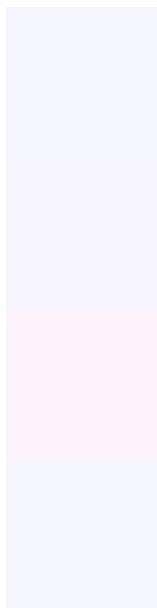
91.1356, 0.3158, 0.3194



## Tritanopia

91.1545, 0.3062, 0.3182

# Trichromacy



## Original Color

90.9761, 0.3056, 0.3182

## Protanomaly

90.6694, 0.3074, 0.3182

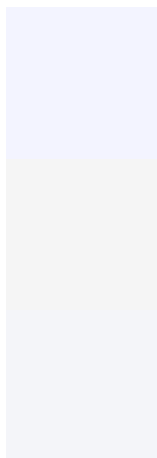
## Deuteranomaly

91.0418, 0.3125, 0.3193

## Tritanomaly

91.1545, 0.3062, 0.3182

# Monochromacy



## Original Color

90.9761, 0.3056, 0.3182

## Achromatopsia

91.3099, 0.3127, 0.3290

## Achromatomaly

91.3775, 0.3097, 0.3251

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.9761, 0.3056, 0.3182 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, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(243, 244, 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, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 244, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 90.9761, 0.3056, 0.3182 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, 244, 255) }
```

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

```
.border{ border-color:rgb(243, 244, 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, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(243, 244,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.9761, 0.3056, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 244, 255) }
```

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

```
.background{ background-color: rgb(243,  
244, 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](#).

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