

# Converting Colors

$Y_{xy}(90.8629, 0.3132, 0.3272)$

Have a look what the booklet for  
Yxy(90.8629, 0.3132, 0.3272)  
contains.

<b>Yxy(90.9480, 0.3128, 0.3270)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	23
<b>Color Blindness Simulation</b> .....	26
<b>CSS Examples</b> .....	29

# Color

**Yxy(90.9480, 0.3128, 0.3270)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6F4F6
RGB	246, 244, 246
RGB Percent	96%, 96%, 96%
CMY	0.0352, 0.0431, 0.0352
CMYK	0.00, 0.01, 0.00, 0.04
HSL	300°, 10%, 96%
HSV	300°, 1%, 96%
XYZ	86.9986, 90.9480, 100.1819
YIQ	244.8260, 0.5500, 1.0460

# Conversions

## Conversions Part 2

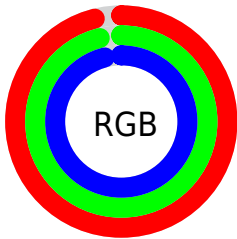
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	246, 244, 246
Decimal	16184566
CIE <sub>Lab</sub>	96.39, 1.03, -0.75
CIE <sub>LCh</sub>	96, 1.278, 324.055
Yxy	90.9480, 0.3128, 0.3270
Android (android.graphics.Color)	4294374646 (0xFFFF6F4F6)
YUV	244.8260, 0.5788, 1.0296
Hunter-Lab	95.3667, -4.0544, 4.4730

# Details

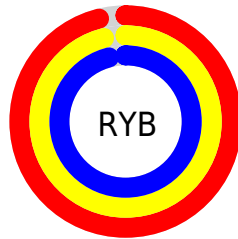
The Yxy color  $90.9480, 0.3128, 0.3270$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $91.6976, 0.3126, 0.3310$ , and the grayscale version is  $91.1638, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $50.6313, 0.3128, 0.3265$  is the 20% darker color. If you saturate the color by 10%, you get  $77.0876, 0.3138, 0.3023$ , and if you desaturate by 10%, it is  $97.8049, 0.3124, 0.3377$ .

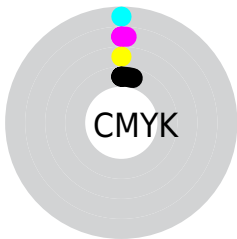
# Distribution



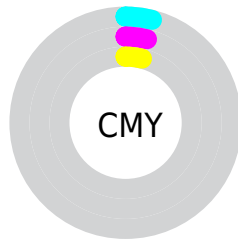
- Red (96%)
- Green (96%)
- Blue (96%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (0%)
- Black (4%)




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.9480, 0.3128, 0.3270 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 90.9480, 0.3128, 0.3270 by changing the saturation by 10% instead.




 90.9480, 0.3128,  
0.3270

 90.9480, 0.3128,  
0.3270


531.1099, 0.3128,  
0.3279

 68.7672, 0.3128,  
0.3268


148.6545, 0.3128,  
0.3273

 50.5221, 0.3128,  
0.3266


184.9490, 0.3128,  
0.3274

 35.8284, 0.3128,  
0.3263


226.7168, 0.3128,  
0.3275

 24.3017, 0.3128,  
0.3259

274.3424, 0.3128,  
0.3276

 15.5576, 0.3129,  
0.3254

328.2101, 0.3128,  
0.3277

 9.2116, 0.3129,  
0.3247

388.7043, 0.3128,

 4.8795, 0.3129,

0.3278

0.3237

456.2094, 0.3128,  
0.3278

■ 2.1767, 0.3130,  
0.3221

■ 0.7073, 0.3132,  
0.3175

■ 90.9480, 0.3128,  
0.3270

■ 90.9480, 0.3128,  
0.3270

■ 77.0876, 0.3138,  
0.3023

■ 97.8049, 0.3124,  
0.3377

■ 65.1217, 0.3149,  
0.2771

■ 97.8385, 0.3125,  
0.3377

■ 54.9715, 0.3159,  
0.2521

■ 97.8721, 0.3126,  
0.3377

■ 46.5481, 0.3168,  
0.2282

■ 97.9057, 0.3128,  
0.3377

39.7550, 0.3176,  
0.2064

97.9393, 0.3129,  
0.3377

34.4863, 0.3183,  
0.1877

97.9730, 0.3130,  
0.3377

30.6237, 0.3187,  
0.1728

98.0067, 0.3131,  
0.3377

28.0315, 0.3190,  
0.1621

98.0405, 0.3132,  
0.3377

26.5472, 0.3191,  
0.1558

98.0742, 0.3133,  
0.3377

# Harmonies

## Analogous

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



90.9480, 0.3114, 0.3266



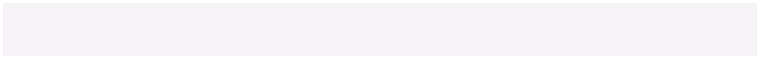
90.9480, 0.3128, 0.3270



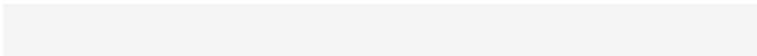
90.9480, 0.3142, 0.3280

# Triad

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



90.9480, 0.3128, 0.3270



90.9480, 0.3151, 0.3313



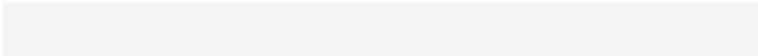
90.9480, 0.3103, 0.3288

# Complementary

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



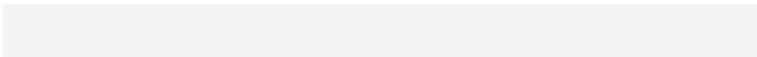
90.9480, 0.3128, 0.3270



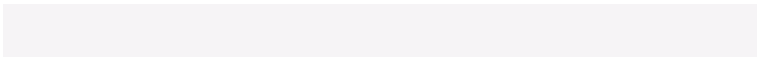
91.6976, 0.3126, 0.3310

# Split Complementary

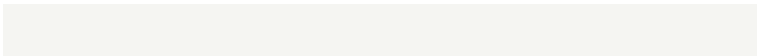
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.9480, 0.3113, 0.3301



90.9480, 0.3128, 0.3270



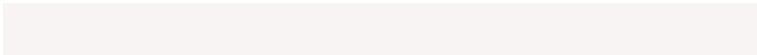
90.9480, 0.3141, 0.3315

# Square

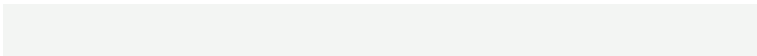
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.9480, 0.3128, 0.3270



90.9480, 0.3155, 0.3304



90.9480, 0.3126, 0.3311

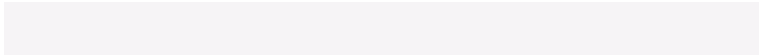


90.9480, 0.3099, 0.3276

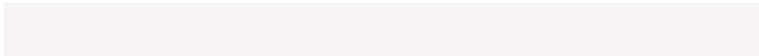


# Rectangle

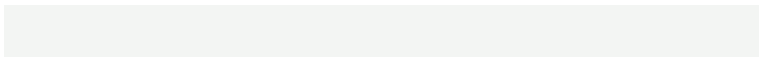
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



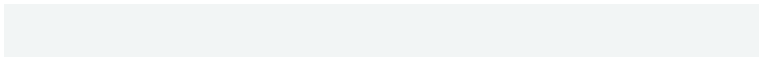
90.9480, 0.3128, 0.3270



90.9480, 0.3149, 0.3288



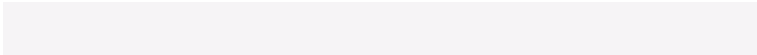
90.9480, 0.3126, 0.3311



90.9480, 0.3105, 0.3292

# Sweetspot

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



90.9519, 0.3128, 0.3270

100.0000, 0.3127, 0.3290



90.6094, 0.3115, 0.3270



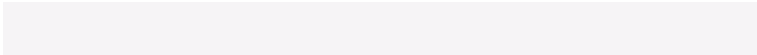
21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

# Same Dimension

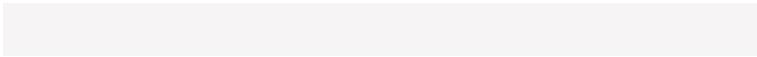
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.9519, 0.3128, 0.3270



98.3801, 0.3128, 0.3266



90.8945, 0.3134, 0.3280



19.2988, 0.3128, 0.3267



13.8346, 0.3190, 0.1531

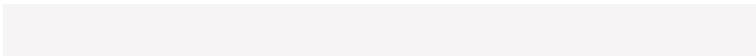


1.2179, 0.3193, 0.1533



# Inverse Universe

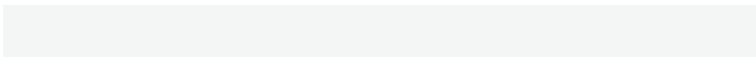
The Inverse Universe completely reimagines the original color for something new.



90.8314, 0.3140, 0.3290



98.2218, 0.3143, 0.3290



91.7547, 0.3120, 0.3300



19.2694, 0.3142, 0.3290



10.4610, 0.6393, 0.3295

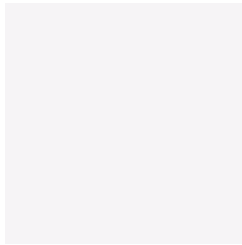


0.9201, 0.6373, 0.3284



# Previews

## White Background



This preview shows how the Yxy color 90.9480, 0.3128, 0.3270 looks on a white background.

## Color Contrast Check

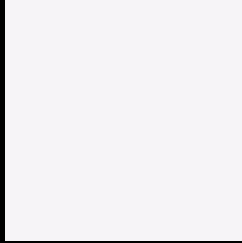
Large Text (above 18pt) WCAG AA × Fail

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 90.9480, 0.3128, 0.3270 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](#).

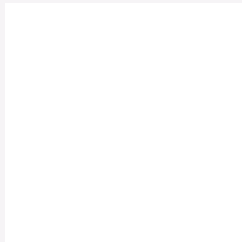


**Yxy 90.9480, 0.3128, 0.3270**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.9480, 0.3128, 0.3270.

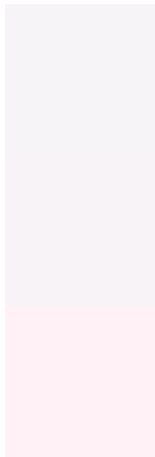


This preview shows how white text looks on a background with the Yxy color 90.9480, 0.3128, 0.3270.

# 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

90.9480, 0.3128, 0.3270

### Protanopia

90.7115, 0.3142, 0.3261

### Deuteranopia

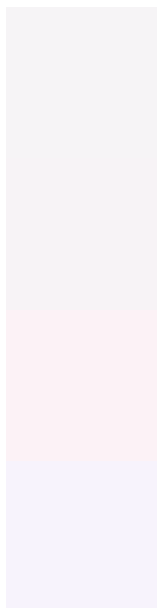
90.8244, 0.3188, 0.3242



## Tritanopia

91.0953, 0.3081, 0.3173

# Trichromacy



## Original Color

90.9480, 0.3128, 0.3270

## Protanomaly

90.5292, 0.3135, 0.3261

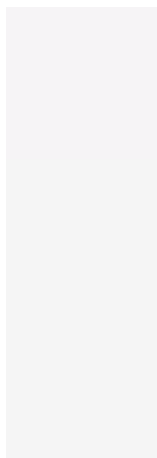
## Deuteranomaly

90.8535, 0.3168, 0.3251

## Tritanomaly

90.9036, 0.3099, 0.3202

# Monochromacy



## Original Color

90.9480, 0.3128, 0.3270

## Achromatopsia

91.3099, 0.3127, 0.3290

## Achromatomaly

91.3099, 0.3127, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.9480, 0.3128, 0.3270 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(246, 244, 246)` looks like.

```
.text, #text, p{  
    color:rgb(246, 244, 246)  
}
```

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(246, 244, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 244, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 90.9480, 0.3128, 0.3270 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(246, 244, 246) }
```

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

```
.border{ border-color:rgb(246, 244, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 244, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 244, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 244, 246);  
box-shadow:4px 4px 4px 4px rgb(246, 244,  
246) }
```

# Background

The CSS property to change the background color of an element to Yxy 90.9480, 0.3128, 0.3270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 244, 246) }
```

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

```
.background{ background-color: rgb(246,  
244, 246) }
```

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