

# Converting Colors

$Yxy(90.8797, 0.3135, 0.3320)$

Have a look what the booklet for  
Yxy(90.8797, 0.3135, 0.3320)  
contains.

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# Color

**Yxy(90.7703, 0.3132, 0.3320)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F3F5F2
RGB	243, 245, 242
RGB Percent	95%, 96%, 95%
CMY	0.0472, 0.0391, 0.0510
CMYK	0.01, 0.00, 0.01, 0.04
HSL	101°, 13%, 95%
HSV	101°, 1%, 96%
XYZ	85.6303, 90.7703, 97.0039
YIQ	244.0600, -0.2290, -1.3570

# Conversions

## Conversions Part 2

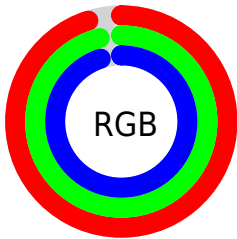
Format	Color
R <sub>Y</sub> B	242, 245, 244
Decimal	15988210
CIE Lab	96.32, -1.21, 1.20
CIE LCh	96, 1.704, 135.132
Yxy	90.7703, 0.3132, 0.3320
Android (android.graphics.Color)	4294178290 (0xFFFF3F5F2)
YUV	244.0600, -1.0156, -0.9296
Hunter-Lab	95.2734, -6.2955, 6.3245

# Details

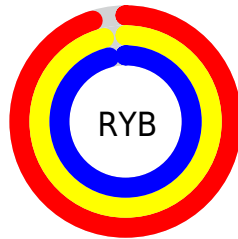
The Yxy color **90.7703, 0.3132, 0.3320** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.3349, 0.3122, 0.3260**, and the grayscale version is **90.5238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.5052, 0.3134, 0.3328** is the 20% darker color. If you saturate the color by 10%, you get **86.5710, 0.3171, 0.3578**, and if you desaturate by 10%, it is **93.7959, 0.3132, 0.3195**.

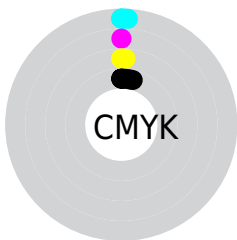
# Distribution



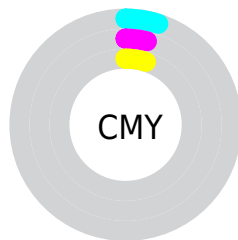
- Red (95%)
- Green (96%)
- Blue (95%)



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



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




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.7703, 0.3132, 0.3320 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 90.7703, 0.3132, 0.3320 by changing the saturation by 10% instead.




 90.7703, 0.3132,  
0.3320

 90.7703, 0.3132,  
0.3320


530.5334, 0.3130,  
0.3307

 68.6197, 0.3132,  
0.3323


148.4079, 0.3131,  
0.3315

 50.4021, 0.3133,  
0.3326


184.6637, 0.3131,  
0.3314

 35.7330, 0.3134,  
0.3331


226.3901, 0.3131,  
0.3312

 24.2280, 0.3135,  
0.3337

273.9713, 0.3131,  
0.3311

 15.5029, 0.3136,  
0.3344

327.7919, 0.3130,  
0.3310

 9.1731, 0.3137,  
0.3354

388.2362, 0.3130,

 4.8542, 0.3140,

0.3309

0.3370

455.6885, 0.3130,  
0.3308

■ 2.1620, 0.3143,  
0.3395

■ 0.6992, 0.3157,  
0.3476

■ 90.7703, 0.3132,  
0.3320

■ 90.7703, 0.3132,  
0.3320

■ 86.5710, 0.3171,  
0.3578

■ 93.7959, 0.3132,  
0.3195

■ 82.8186, 0.3208,  
0.3863

■ 79.5015, 0.3240,  
0.4170

■ 76.6029, 0.3265,  
0.4492

■ 74.1050, 0.3281,  
0.4818

■ 71.9886, 0.3282,  
0.5130

■ 70.2328, 0.3268,  
0.5408

■ 68.8143, 0.3238,  
0.5634

■ 67.7063, 0.3194,  
0.5793

# Harmonies

## Analogous

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



90.7703, 0.3150, 0.3323



90.7703, 0.3132, 0.3320



90.7703, 0.3113, 0.3309

# Triad

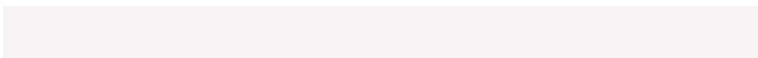
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.7703, 0.3132, 0.3320



90.7703, 0.3093, 0.3263



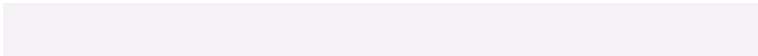
90.7703, 0.3157, 0.3288

# Complementary

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



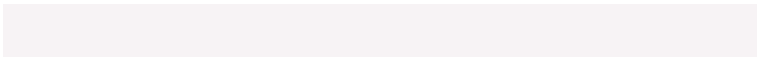
90.7703, 0.3132, 0.3320



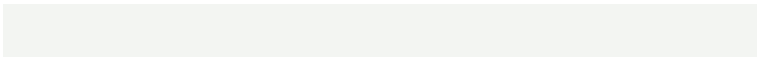
89.3349, 0.3122, 0.3260

# Split Complementary

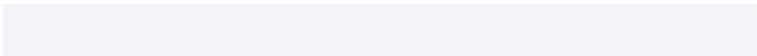
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.7703, 0.3142, 0.3272



90.7703, 0.3132, 0.3320



90.7703, 0.3105, 0.3257

# Square

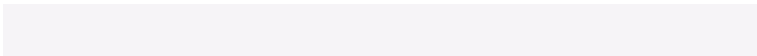
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



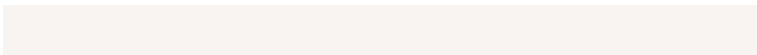
90.7703, 0.3132, 0.3320



90.7703, 0.3090, 0.3276



90.7703, 0.3122, 0.3261

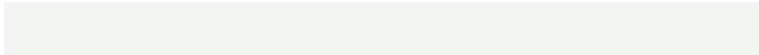


90.7703, 0.3164, 0.3305

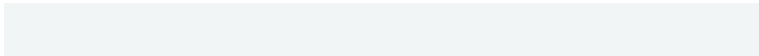


# Rectangle

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



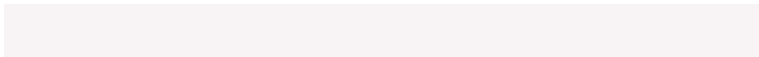
90.7703, 0.3132, 0.3320



90.7703, 0.3102, 0.3298



90.7703, 0.3122, 0.3261



90.7703, 0.3153, 0.3282

# Sweetspot

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



90.7742, 0.3132, 0.3320

100.0000, 0.3127, 0.3290



90.5332, 0.3146, 0.3310



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

# Same Dimension

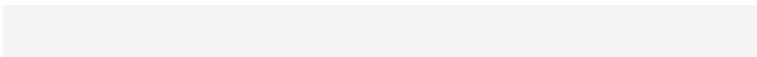
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.7742, 0.3132, 0.3320



99.5097, 0.3131, 0.3314



90.6324, 0.3123, 0.3315



19.5084, 0.3131, 0.3313



36.1317, 0.3159, 0.5874



3.2285, 0.3253, 0.5799



# Inverse Universe

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



89.3349, 0.3122, 0.3260



98.2291, 0.3123, 0.3266



89.4782, 0.3132, 0.3265



19.2708, 0.3123, 0.3267



8.0233, 0.2413, 0.1103

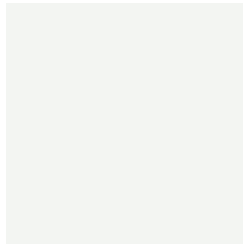


0.7602, 0.2515, 0.1159



# Previews

## White Background



This preview shows how the Yxy color 90.7703, 0.3132, 0.3320 looks on a white background.

## Color Contrast Check

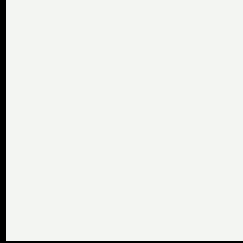
Large Text (above 18pt) WCAG AA × Fail

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 90.7703, 0.3132, 0.3320 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

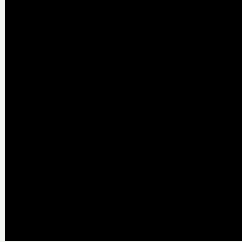
Any Text WCAG AAA ✓ Pass

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

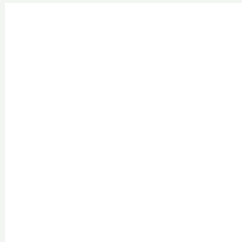


**Yxy 90.7703, 0.3132, 0.3320**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.7703, 0.3132, 0.3320.

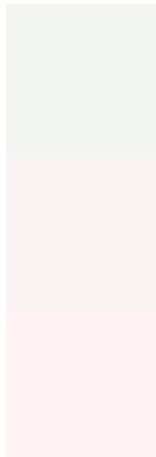


This preview shows how white text looks on a background with the Yxy color 90.7703, 0.3132, 0.3320.

# 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

90.7703, 0.3132, 0.3320

### Protanopia

90.5918, 0.3178, 0.3310

### Deuteranopia

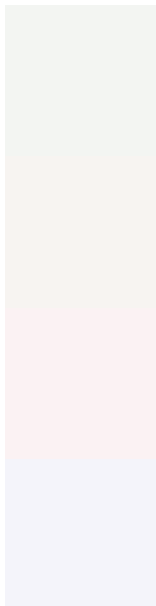
90.7022, 0.3201, 0.3261



## Tritanopia

90.7337, 0.3069, 0.3173

# Trichromacy



## Original Color

90.7703, 0.3132, 0.3320

## Protanomaly

90.8264, 0.3165, 0.3320

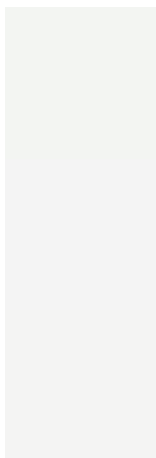
## Deuteranomaly

90.4846, 0.3180, 0.3280

## Tritanomaly

90.8366, 0.3091, 0.3231

# Monochromacy



## Original Color

90.7703, 0.3132, 0.3320

## Achromatopsia

90.4661, 0.3127, 0.3290

## Achromatomaly

90.4055, 0.3133, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.7703, 0.3132, 0.3320 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, 245, 242) looks like.

```
.text, #text, p{  
    color:rgb(243, 245, 242)  
}
```

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, 245, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 245, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 90.7703, 0.3132, 0.3320 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, 245, 242) }
```

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

```
.border{ border-color:rgb(243, 245, 242) }
```

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

Here you see how a box with a 4 pixel rgb(243, 245, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 245, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 245, 242);  
box-shadow:4px 4px 4px 4px rgb(243, 245,  
242) }
```

# Background

The CSS property to change the background color of an element to Yxy 90.7703, 0.3132, 0.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 245, 242) }
```

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

```
.background{ background-color: rgb(243,  
245, 242) }
```

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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