

# Converting Colors

$Y_{xy}(92.9282, 0.3131, 0.3347)$

Have a look what the booklet for  
Yxy(92.9282, 0.3131, 0.3347)  
contains.

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# Color

**Yxy(92.8390, 0.3131, 0.3339)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4F8F3
RGB	244, 248, 243
RGB Percent	96%, 97%, 95%
CMY	0.0432, 0.0274, 0.0469
CMYK	0.02, 0.00, 0.02, 0.03
HSL	108°, 26%, 96%
HSV	108°, 2%, 97%
XYZ	87.0557, 92.8390, 98.1496
YIQ	246.2340, -0.7790, -2.4030

# Conversions

## Conversions Part 2

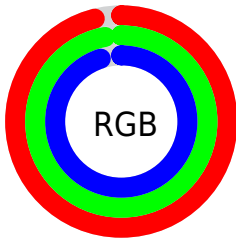
Format	Color
R <sub>Y</sub> B	243, 248, 247
Decimal	16054515
CIE Lab	97.16, -2.19, 1.91
CIE LCh	97, 2.907, 138.984
Yxy	92.8390, 0.3131, 0.3339
Android (android.graphics.Color)	4294244595 (0xFFFF4F8F3)
YUV	246.2340, -1.5944, -1.9592
Hunter-Lab	96.3530, -7.3416, 7.0515

# Details

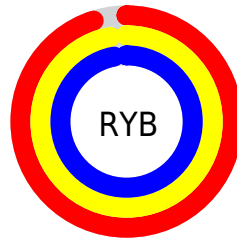
The Yxy color 92.8390, 0.3131, 0.3339 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.6796, 0.3123, 0.3241, and the grayscale version is 92.3753, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.9785, 0.3132, 0.3353 is the 20% darker color. If you saturate the color by 10%, you get 88.0597, 0.3149, 0.3602, and if you desaturate by 10%, it is 95.6175, 0.3130, 0.3223.

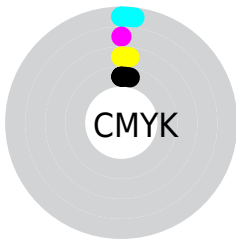
# Distribution



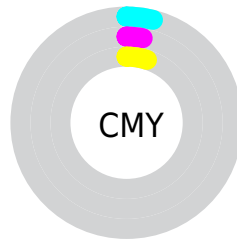
- Red (96%)
- Green (97%)
- Blue (95%)



- Red (95%)
- Yellow (97%)
- Blue (97%)



- Cyan (2%)
- Magenta (0%)
- Yellow (2%)
- Black (3%)




- Cyan (4%)
- Magenta (3%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.8390, 0.3131, 0.3339 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 92.8390, 0.3131, 0.3339 by changing the saturation by 10% instead.




 92.8390, 0.3131,  
0.3339

 92.8390, 0.3131,  
0.3339

537.2234, 0.3129,  
0.3317

 70.3377, 0.3131,  
0.3344


151.2757, 0.3130,  
0.3332

 51.8019, 0.3132,  
0.3350


187.9799, 0.3130,  
0.3329

 36.8472, 0.3132,  
0.3357

230.1871, 0.3130,  
0.3326

 25.0892, 0.3133,  
0.3366


278.2818, 0.3130,  
0.3324

 16.1435, 0.3134,  
0.3378

332.6484, 0.3130,  
0.3322

 9.6258, 0.3135,  
0.3395

393.6713, 0.3130,

 5.1515, 0.3136,

0.3320

0.3419

461.7348, 0.3129,  
0.3319

■ 2.3365, 0.3139,  
0.3459

■ 0.7929, 0.3149,  
0.3567

■ 92.8390, 0.3131,  
0.3339

■ 92.8390, 0.3131,  
0.3339

■ 88.0597, 0.3149,  
0.3602

■ 95.6175, 0.3130,  
0.3223

■ 83.8463, 0.3165,  
0.3895

■ 80.1812, 0.3178,  
0.4214

■ 77.0416, 0.3184,  
0.4551

■ 74.4028, 0.3183,  
0.4892

■ 72.2383, 0.3173,  
0.5218

■ 70.5188, 0.3152,  
0.5506

■ 69.2118, 0.3123,  
0.5733

■ 68.2798, 0.3086,  
0.5884

# Harmonies

## Analogous

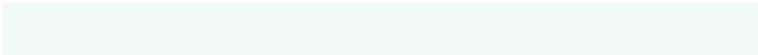
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.8390, 0.3162, 0.3346



92.8390, 0.3131, 0.3339



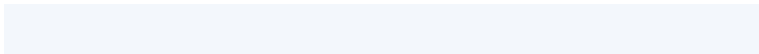
92.8390, 0.3099, 0.3318

# Triad

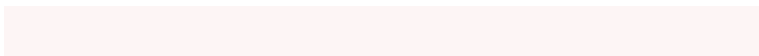
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.8390, 0.3131, 0.3339



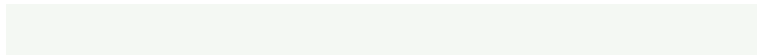
92.8390, 0.3071, 0.3242



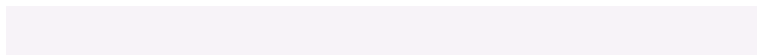
92.8390, 0.3180, 0.3290

# Complementary

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



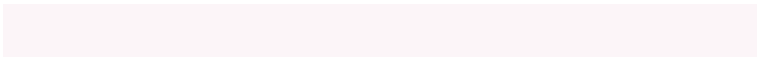
92.8390, 0.3131, 0.3339



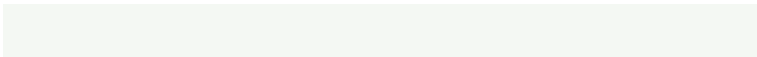
90.6796, 0.3123, 0.3241

# 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.



92.8390, 0.3155, 0.3262



92.8390, 0.3131, 0.3339



92.8390, 0.3092, 0.3235

# Square

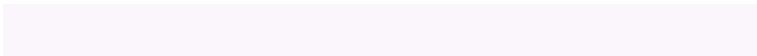
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



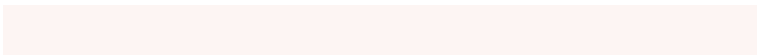
92.8390, 0.3131, 0.3339



92.8390, 0.3064, 0.3262



92.8390, 0.3123, 0.3242



92.8390, 0.3190, 0.3318

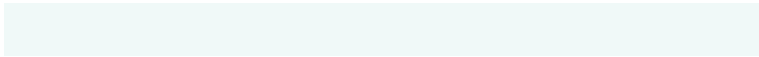


# Rectangle

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



92.8390, 0.3131, 0.3339



92.8390, 0.3082, 0.3300



92.8390, 0.3123, 0.3242



92.8390, 0.3173, 0.3280

# Sweetspot

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



92.8430, 0.3131, 0.3339



99.4491, 0.3129, 0.3314



92.9579, 0.3157, 0.3329



21.2920, 0.3129, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

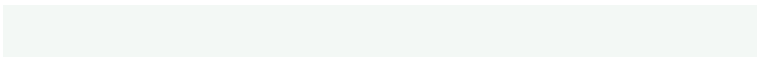
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.8430, 0.3131, 0.3339



98.9045, 0.3131, 0.3339



92.7615, 0.3116, 0.3324



20.2771, 0.3131, 0.3336



36.6520, 0.3065, 0.5949

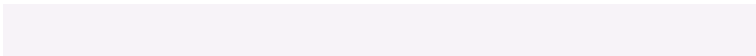


3.4361, 0.3136, 0.5892



# Inverse Universe

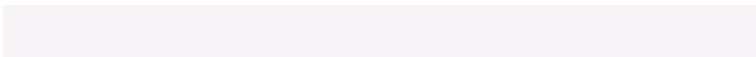
The Inverse Universe completely reimagines the original color for something new.



90.6796, 0.3123, 0.3241



96.6020, 0.3123, 0.3241



90.7632, 0.3138, 0.3256



19.8293, 0.3123, 0.3244



10.3473, 0.2722, 0.1273

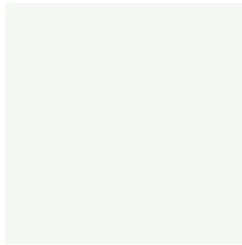


1.0004, 0.2783, 0.1307



# Previews

## White Background



This preview shows how the Yxy color 92.8390, 0.3131, 0.3339 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

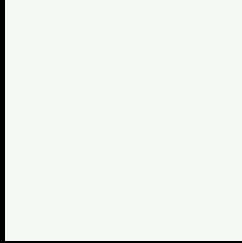
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.8390, 0.3131, 0.3339 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

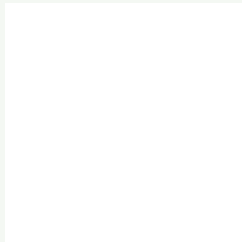
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.8390, 0.3131, 0.3339**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.8390, 0.3131, 0.3339.

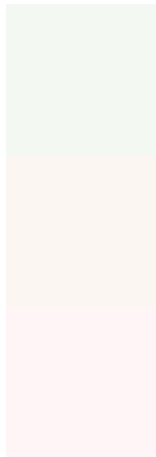


This preview shows how white text looks on a background with the Yxy color 92.8390, 0.3131, 0.3339.

# 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

92.8390, 0.3131, 0.3339

### Protanopia

93.0178, 0.3190, 0.3329

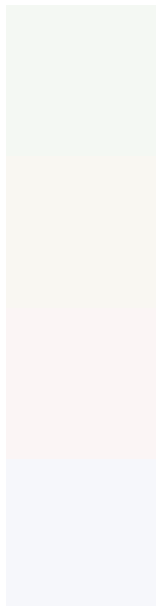
### Deuteranopia

92.6152, 0.3186, 0.3271

## Tritanopia

92.9057, 0.3080, 0.3203

# Trichromacy



## Original Color

92.8390, 0.3131, 0.3339

## Protanomaly

93.0721, 0.3170, 0.3339

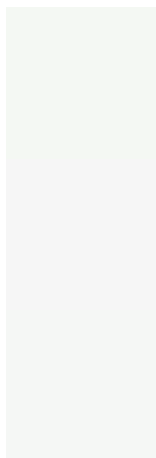
## Deuteranomaly

92.4066, 0.3166, 0.3290

## Tritanomaly

93.0794, 0.3097, 0.3251

# Monochromacy



## Original Color

92.8390, 0.3131, 0.3339

## Achromatopsia

92.1582, 0.3127, 0.3290

## Achromatomaly

92.5266, 0.3126, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.8390, 0.3131, 0.3339 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(244, 248, 243)` looks like.

```
.text, #text, p{  
    color:rgb(244, 248, 243)  
}
```

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(244, 248, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 248, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 92.8390, 0.3131, 0.3339 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(244, 248, 243) }
```

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

```
.border{ border-color:rgb(244, 248, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 248, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 248, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 248, 243);  
box-shadow:4px 4px 4px 4px rgb(244, 248,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.8390, 0.3131, 0.3339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 248, 243) }
```

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

```
.background{ background-color: rgb(244,  
248, 243) }
```

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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