

# Converting Colors

$Y_{xy}(100.0000, 0.3127, 0.3411)$

Have a look what the booklet for  
Yxy(100.0000, 0.3127, 0.3411)  
contains.

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# Color

**Yxy(97.9480, 0.3129, 0.3377)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7FFF6
RGB	247, 255, 246
RGB Percent	97%, 100%, 96%
CMY	0.0314, 0.0000, 0.0351
CMYK	0.03, 0.00, 0.04, 0.00
HSL	114°, 100%, 98%
HSV	114°, 4%, 100%
XYZ	90.7549, 97.9480, 101.3415
YIQ	251.5820, -1.8790, -4.4950

# Conversions

## Conversions Part 2

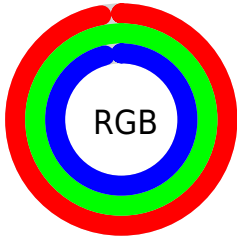
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 255, 254
Decimal	16252918
CIE Lab	99.20, -4.20, 3.35
CIE LCh	99, 5.372, 141.408
Yxy	97.9480, 0.3129, 0.3377
Android (android.graphics.Color)	4294442998 (0xFF77FF6)
YUV	251.5820, -2.7519, -4.0184
Hunter-Lab	98.9687, -9.5096, 8.5666

# Details

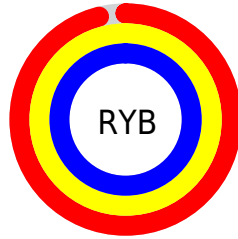
The Yxy color 97.9480, 0.3129, 0.3377 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 94.2349, 0.3125, 0.3204, and the grayscale version is 97.0045, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.1822, 0.3130, 0.3389 is the 20% darker color. If you saturate the color by 10%, you get 92.5968, 0.3133, 0.3647, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

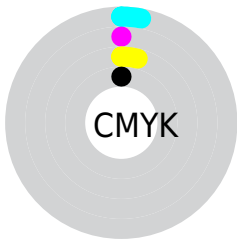
# Distribution



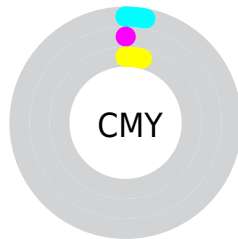
- Red (97%)
- Green (100%)
- Blue (96%)



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



- Cyan (3%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.9480, 0.3129, 0.3377 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 97.9480, 0.3129, 0.3377 by changing the saturation by 10% instead.



 97.9480, 0.3129,  
0.3377

 97.9480, 0.3129,  
0.3377


553.5602, 0.3128,  
0.3339

 74.5910, 0.3129,  
0.3385

158.3312, 0.3129,  
0.3364

 55.2779, 0.3129,  
0.3395


196.1261, 0.3129,  
0.3359

 39.6243, 0.3129,  
0.3408

239.5026, 0.3129,  
0.3354

 27.2457, 0.3130,  
0.3424

288.8448, 0.3129,  
0.3351

 17.7578, 0.3130,  
0.3445

344.5373, 0.3129,  
0.3347

 10.7763, 0.3130,  
0.3474

406.9645, 0.3128,

 5.9166, 0.3130,

0.3344

0.3515

476.5107, 0.3128,  
0.3341

■ 2.7944, 0.3129,  
0.3582

■ 1.0254, 0.3130,  
0.3707

■ 97.9480, 0.3129,  
0.3377

■ 97.9480, 0.3129,  
0.3377

■ 92.5968, 0.3133,  
0.3647

100.0000, 0.3127,  
0.3290

■ 87.9386, 0.3135,  
0.3949

■ 83.9460, 0.3134,  
0.4279

■ 80.5886, 0.3128,  
0.4627

■ 77.8335, 0.3118,  
0.4978

■ 75.6447, 0.3102,  
0.5309

■ 73.9825, 0.3082,  
0.5593

■ 72.8018, 0.3058,  
0.5807

■ 72.0500, 0.3034,  
0.5938

# Harmonies

## Analogous

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



97.9480, 0.3186, 0.3392



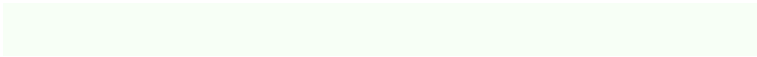
97.9480, 0.3129, 0.3377



97.9480, 0.3072, 0.3338

# Triad

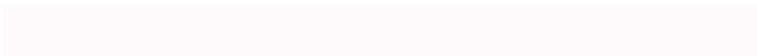
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



97.9480, 0.3129, 0.3377



97.9480, 0.3027, 0.3201



97.9480, 0.3226, 0.3293

# Complementary

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



97.9480, 0.3129, 0.3377



94.2349, 0.3125, 0.3204

# Split Complementary

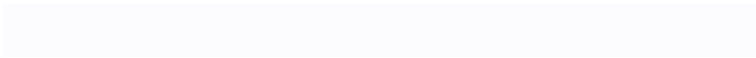
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.9480, 0.3183, 0.3243



97.9480, 0.3129, 0.3377



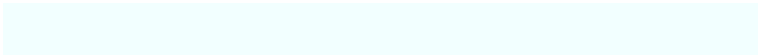
97.9480, 0.3068, 0.3190

# Square

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



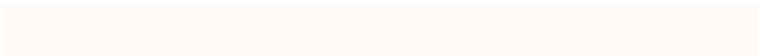
97.9480, 0.3129, 0.3377



97.9480, 0.3013, 0.3236



97.9480, 0.3125, 0.3205



97.9480, 0.3242, 0.3343

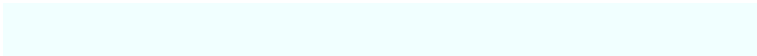


# Rectangle

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



97.9480, 0.3129, 0.3377



97.9480, 0.3041, 0.3304



97.9480, 0.3125, 0.3205



97.9480, 0.3214, 0.3276

# Sweetspot

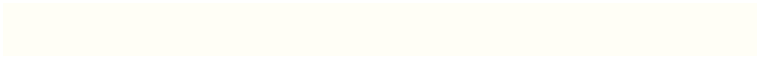
The Sweet Spot groups the original color and five complimentary colors.



97.9493, 0.3129, 0.3377



99.4073, 0.3128, 0.3314



98.7710, 0.3180, 0.3366



21.2835, 0.3128, 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.



97.9493, 0.3129, 0.3377



97.6727, 0.3129, 0.3389



97.9891, 0.3103, 0.3344



20.8151, 0.3130, 0.3409



37.5234, 0.3025, 0.5980



3.6825, 0.3073, 0.5942

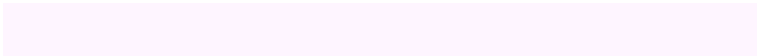


# Inverse Universe

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



94.2349, 0.3125, 0.3204



93.4584, 0.3125, 0.3192



94.1962, 0.3152, 0.3237



19.7488, 0.3124, 0.3174



12.4169, 0.2942, 0.1394



1.2360, 0.2974, 0.1412



# Previews

## White Background



This preview shows how the Yxy color 97.9480, 0.3129, 0.3377 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

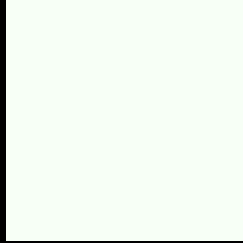
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.9480, 0.3129, 0.3377 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

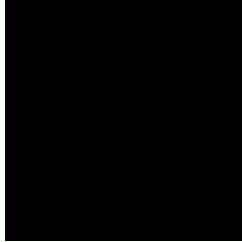
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 97.9480, 0.3129, 0.3377**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.9480, 0.3129, 0.3377.



This preview shows how white text looks on a background with the Yxy color 97.9480, 0.3129, 0.3377.

# 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

97.9480, 0.3129, 0.3377



### Protanopia

97.7204, 0.3164, 0.3319

### Deuteranopia

97.9091, 0.3146, 0.3290

## **Tritanopia**

97.5363, 0.3110, 0.3261

# Trichromacy



**Original Color**

97.9480, 0.3129, 0.3377

**Protanomaly**

97.7233, 0.3150, 0.3338

**Deuteranomaly**

97.8481, 0.3138, 0.3319

**Tritanomaly**

97.6028, 0.3114, 0.3300

# Monochromacy



**Original Color**

97.9480, 0.3129, 0.3377



**Achromatopsia**

97.3445, 0.3127, 0.3290

**Achromatomaly**

97.4767, 0.3126, 0.3319

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 97.9480, 0.3129, 0.3377 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(247, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 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(247, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 97.9480, 0.3129, 0.3377 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(247, 255, 246) }
```

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

```
.border{ border-color:rgb(247, 255, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 255, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 255, 246); box-shadow:4px 4px 4px 4px rgb(247, 255, 246) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.9480, 0.3129, 0.3377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 246) }
```

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

```
.background{ background-color: rgb(247,  
255, 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](#).

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