

# Converting Colors

$Y_{xy}(150.7549, 0.3139, 0.4051)$

Have a look what the booklet for  
Yxy(150.7549, 0.3139, 0.4051)  
contains.

|   |    |
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# Color

**Yxy(97.8917, 0.3182, 0.3446)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>              |
|---------------|---------------------------|
| Hex           | F9FFEF                    |
| RGB           | 249, 255, 239             |
| RGB Percent   | 98%, 100%, 94%            |
| CMY           | 0.0237, 0.0000, 0.0628    |
| CMYK          | 0.02, 0.00, 0.06, 0.00    |
| HSL           | 83°, 100%, 97%            |
| HSV           | 83°, 6%, 100%             |
| XYZ           | 90.3922, 97.8917, 95.7896 |
| YIQ           | 251.3820, 1.5600, -6.2480 |

# Conversions

## Conversions Part 2

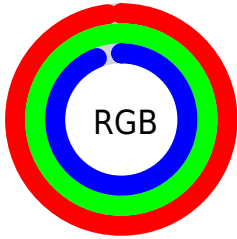
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 239, 255, 245                 |
| Decimal                             | 16383983                      |
| CIE Lab                             | 99.18, -4.76, 6.95            |
| CIE LCh                             | 99, 8.421, 124.425            |
| Yxy                                 | 97.8917, 0.3182,<br>0.3446    |
| Android<br>(android.graphics.Color) | 4294574063<br>(0xFF99FF99)    |
| YUV                                 | 251.3820, -6.1043,<br>-2.0890 |
| Hunter-Lab                          | 98.9402, -10.0672,<br>11.8562 |

# Details

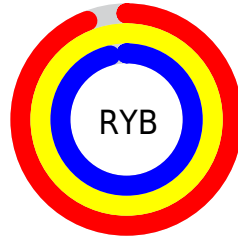
The Yxy color 97.8917, 0.3182, 0.3446 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.3738, 0.3070, 0.3133, and the grayscale version is 96.8394, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.1445, 0.3198, 0.3476 is the 20% darker color. If you saturate the color by 10%, you get 94.7527, 0.3270, 0.3709, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

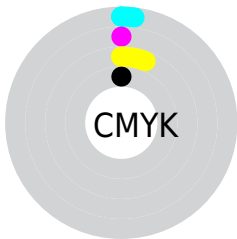
# Distribution



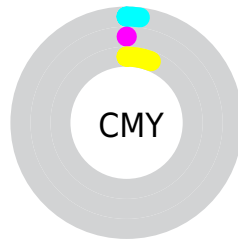
- Red (98%)
- Green (100%)
- Blue (94%)



- Red (94%)
- Yellow (100%)
- Blue (96%)



- Cyan (2%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (2%)
- Magenta (0%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.8917, 0.3182, 0.3446 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 97.8917, 0.3182, 0.3446 by changing the saturation by 10% instead.




 97.8917, 0.3182,  
0.3446

 97.8917, 0.3182,  
0.3446


553.3816, 0.3158,  
0.3377

 74.5441, 0.3187,  
0.3461


158.2536, 0.3174,  
0.3423

 55.2395, 0.3193,  
0.3479

196.0367, 0.3171,  
0.3413

 39.5935, 0.3201,  
0.3502


239.4004, 0.3168,  
0.3405

 27.2217, 0.3210,  
0.3531

288.7290, 0.3166,  
0.3398

 17.7398, 0.3222,  
0.3569

344.4071, 0.3163,  
0.3392

 10.7633, 0.3239,  
0.3621

406.8190, 0.3162,

 5.9079, 0.3262,

0.3387

0.3697

476.3490, 0.3160,  
0.3382

■ 2.7892, 0.3297,  
0.3817

■ 1.0227, 0.3408,  
0.4102

■ 97.8917, 0.3182,  
0.3446

■ 97.8917, 0.3182,  
0.3446

■ 94.7527, 0.3270,  
0.3709

100.0000, 0.3127,  
0.3290

■ 91.9169, 0.3356,  
0.3987

■ 89.3636, 0.3436,  
0.4274

■ 87.0813, 0.3506,  
0.4560

■ 85.0573, 0.3560,  
0.4832

■ 83.2777, 0.3594,  
0.5078

■ 81.7270, 0.3605,  
0.5285

■ 80.3873, 0.3590,  
0.5442

■ 79.2364, 0.3552,  
0.5546

# Harmonies

## Analogous

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



97.8917, 0.3261, 0.3444



97.8917, 0.3182, 0.3446



97.8917, 0.3089, 0.3404

# Triad

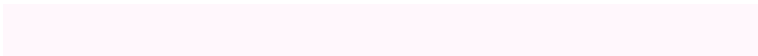
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



97.8917, 0.3182, 0.3446



97.8917, 0.2953, 0.3176



97.8917, 0.3248, 0.3249

# Complementary

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



97.8917, 0.3182, 0.3446



88.3738, 0.3070, 0.3133

# 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.



97.8917, 0.3164, 0.3180



97.8917, 0.3182, 0.3446



97.8917, 0.2994, 0.3138

# Square

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



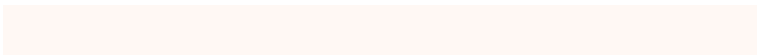
97.8917, 0.3182, 0.3446



97.8917, 0.2958, 0.3247



97.8917, 0.3071, 0.3140



97.8917, 0.3299, 0.3330



# Rectangle

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



97.8917, 0.3182, 0.3446



97.8917, 0.3032, 0.3357



97.8917, 0.3071, 0.3140



97.8917, 0.3222, 0.3224

# Sweetspot

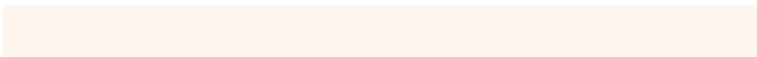
The Sweet Spot groups the original color and five complimentary colors.



97.8819, 0.3182, 0.3446



99.3118, 0.3145, 0.3339



92.7155, 0.3229, 0.3347



21.2640, 0.3144, 0.3336



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.



97.8819, 0.3182, 0.3446



97.3208, 0.3197, 0.3490



96.4759, 0.3133, 0.3448



20.7275, 0.3210, 0.3529



41.2861, 0.3544, 0.5568



4.0825, 0.3617, 0.5510



# Inverse Universe

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



88.3738, 0.3070, 0.3133



85.3412, 0.3053, 0.3088



89.8097, 0.3120, 0.3136



17.7125, 0.3038, 0.3048



5.1635, 0.1808, 0.0770

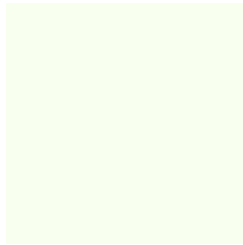


0.5629, 0.1933, 0.0838



# Previews

## White Background



This preview shows how the Yxy color 97.8917, 0.3182, 0.3446 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

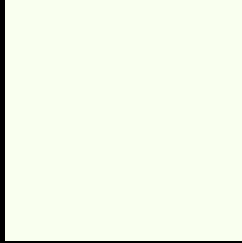
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.8917, 0.3182, 0.3446 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

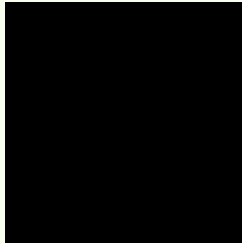
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 97.8917, 0.3182, 0.3446**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.8917, 0.3182, 0.3446.



This preview shows how white text looks on a background with the Yxy color 97.8917, 0.3182, 0.3446.

# 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

A vertical grid of three colored squares. The top square is light green, the middle square is light orange, and the bottom square is light yellow. To the right of each square is text describing the color and its corresponding RGB values.

### Original Color

97.8917, 0.3182, 0.3446

### Protanopia

97.6581, 0.3169, 0.3328

### Deuteranopia

97.9091, 0.3146, 0.3290

## Tritanopia

97.7235, 0.3116, 0.3261

# Trichromacy



**Original Color**

97.8917, 0.3182, 0.3446

**Protanomaly**

97.7258, 0.3174, 0.3367

**Deuteranomaly**

97.8486, 0.3162, 0.3348

**Tritanomaly**

97.7856, 0.3144, 0.3328

# Monochromacy



**Original Color**

97.8917, 0.3182, 0.3446

**Achromatopsia**

96.4686, 0.3127, 0.3290

**Achromatomaly**

96.6602, 0.3144, 0.3338

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 97.8917, 0.3182, 0.3446 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(249, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 239)  
}
```

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(249, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 97.8917, 0.3182, 0.3446 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(249, 255, 239) }
```

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

```
.border{ border-color:rgb(249, 255, 239) }
```

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

Here you see how a box with a 4 pixel rgb(249, 255, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.8917, 0.3182, 0.3446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 239) }
```

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

```
.background{ background-color: rgb(249,  
255, 239) }
```

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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