

# Converting Colors

$Y_{xy}(100.0000, 0.3187, 0.3515)$

Have a look what the booklet for  
Yxy(100.0000, 0.3187, 0.3515)  
contains.

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# Color

**Yxy(97.3503, 0.3187, 0.3476)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7FFEC
RGB	247, 255, 236
RGB Percent	97%, 100%, 93%
CMY	0.0314, 0.0000, 0.0744
CMYK	0.03, 0.00, 0.07, 0.00
HSL	85°, 100%, 96%
HSV	85°, 7%, 100%
XYZ	89.2564, 97.3503, 93.4574
YIQ	250.4420, 1.3310, -7.6050

# Conversions

## Conversions Part 2

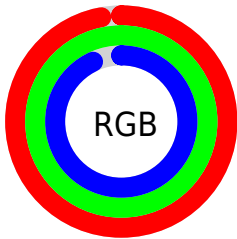
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 255, 244
Decimal	16252908
CIE Lab	98.97, -5.91, 8.15
CIE LCh	99, 10.066, 125.964
Yxy	97.3503, 0.3187, 0.3476
Android (android.graphics.Color)	4294442988 (0xFFFF7FEC)
YUV	250.4420, -7.1199, -3.0186
Hunter-Lab	98.6663, -11.1895, 12.9065

# Details

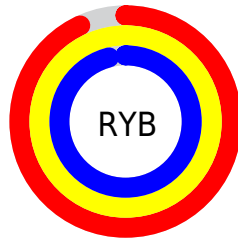
The Yxy color 97.3503, 0.3187, 0.3476 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 86.4620, 0.3064, 0.3103, and the grayscale version is 96.0396, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.7598, 0.3204, 0.3515 is the 20% darker color. If you saturate the color by 10%, you get 94.0697, 0.3267, 0.3743, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

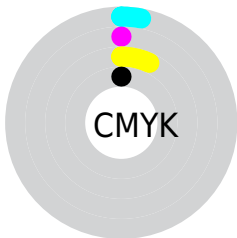
# Distribution



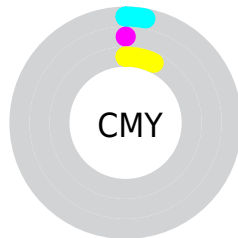
- Red (97%)
- Green (100%)
- Blue (93%)



- Red (93%)
- Yellow (100%)
- Blue (96%)



- Cyan (3%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.3503, 0.3187, 0.3476 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 97.3503, 0.3187, 0.3476 by changing the saturation by 10% instead.




 97.3503, 0.3187,  
0.3476

 97.3503, 0.3187,  
0.3476

551.6622, 0.3161,  
0.3394

 74.0927, 0.3193,  
0.3494


157.5077, 0.3178,  
0.3448

 54.8699, 0.3199,  
0.3516

195.1762, 0.3175,  
0.3437

 39.2976, 0.3207,  
0.3543


238.4172, 0.3172,  
0.3427

 26.9913, 0.3217,  
0.3578

287.6149, 0.3169,  
0.3419

 17.5667, 0.3231,  
0.3624

343.1539, 0.3167,  
0.3411

 10.6393, 0.3248,  
0.3687

405.4185, 0.3165,

 5.8249, 0.3273,

0.3405

0.3779

474.7932, 0.3163,  
0.3399

■ 2.7389, 0.3309,  
0.3926

■ 0.9970, 0.3464,  
0.4321

■ 97.3503, 0.3187,  
0.3476

■ 97.3503, 0.3187,  
0.3476

■ 94.0697, 0.3267,  
0.3743

100.0000, 0.3127,  
0.3290

■ 91.1042, 0.3345,  
0.4025

■ 88.4411, 0.3417,  
0.4317

■ 86.0680, 0.3477,  
0.4608

■ 83.9716, 0.3522,  
0.4886

■ 82.1372, 0.3546,  
0.5137

■ 80.5485, 0.3547,  
0.5346

■ 79.1864, 0.3524,  
0.5505

■ 78.0267, 0.3478,  
0.5609

# Harmonies

## Analogous

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



97.3503, 0.3283, 0.3476



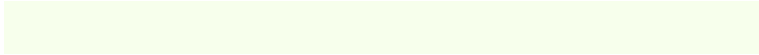
97.3503, 0.3187, 0.3476



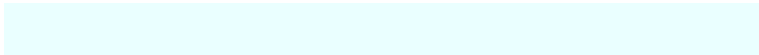
97.3503, 0.3076, 0.3423

# Triad

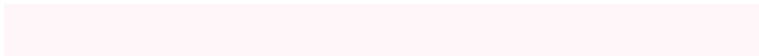
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



97.3503, 0.3187, 0.3476



97.3503, 0.2920, 0.3150



97.3503, 0.3276, 0.3246

# Complementary

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



97.3503, 0.3187, 0.3476



86.4620, 0.3064, 0.3103

# 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.



97.3503, 0.3176, 0.3162



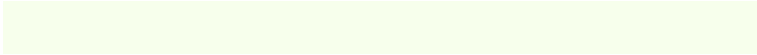
97.3503, 0.3187, 0.3476



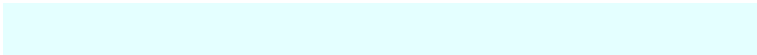
97.3503, 0.2972, 0.3107

# Square

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



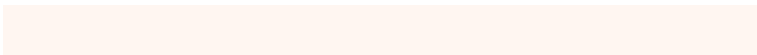
97.3503, 0.3187, 0.3476



97.3503, 0.2923, 0.3233



97.3503, 0.3065, 0.3112

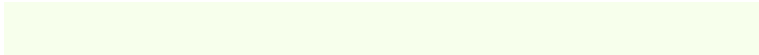


97.3503, 0.3336, 0.3342



# Rectangle

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



97.3503, 0.3187, 0.3476



97.3503, 0.3009, 0.3366



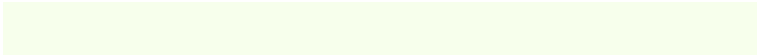
97.3503, 0.3065, 0.3112



97.3503, 0.3246, 0.3215

# Sweetspot

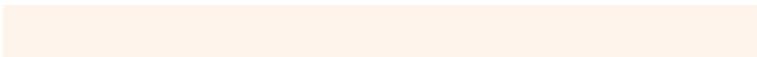
The Sweet Spot groups the original color and five complimentary colors.



97.3491, 0.3187, 0.3476



99.2697, 0.3143, 0.3339



91.9758, 0.3248, 0.3367



21.2555, 0.3142, 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.



97.3491, 0.3187, 0.3476



96.8174, 0.3200, 0.3516



95.6857, 0.3128, 0.3479



20.6864, 0.3204, 0.3529



40.7180, 0.3476, 0.5622



4.0289, 0.3555, 0.5559



# Inverse Universe

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



86.4620, 0.3064, 0.3103



83.7926, 0.3050, 0.3062



88.1841, 0.3125, 0.3107



17.7525, 0.3045, 0.3049



5.5108, 0.1879, 0.0809

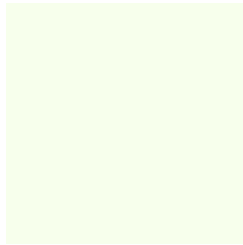


0.5992, 0.2005, 0.0878



# Previews

## White Background



This preview shows how the Yxy color 97.3503, 0.3187, 0.3476 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

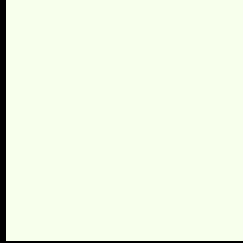
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.3503, 0.3187, 0.3476 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

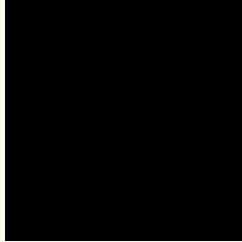
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

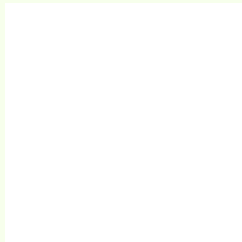
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 97.3503, 0.3187, 0.3476**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.3503, 0.3187, 0.3476.

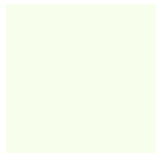


This preview shows how white text looks on a background with the Yxy color 97.3503, 0.3187, 0.3476.

# 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

97.3503, 0.3187, 0.3476



### Protanopia

97.5346, 0.3181, 0.3348

### Deuteranopia

97.2194, 0.3152, 0.3290

## **Tritanopia**

97.5363, 0.3110, 0.3261

# Trichromacy



**Original Color**

97.3503, 0.3187, 0.3476

**Protanomaly**

97.3568, 0.3185, 0.3397

**Deuteranomaly**

96.9701, 0.3162, 0.3348

**Tritanomaly**

97.3519, 0.3137, 0.3338

# Monochromacy



**Original Color**

97.3503, 0.3187, 0.3476

**Achromatopsia**

95.5973, 0.3127, 0.3290

**Achromatomaly**

96.3531, 0.3149, 0.3358

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  97.3503, 0.3187, 0.3476 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 97.3503, 0.3187, 0.3476 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, 236) }
```

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

```
.border{ border-color:rgb(247, 255, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.3503, 0.3187, 0.3476 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, 236) }
```

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

```
.background{ background-color: rgb(247,  
255, 236) }
```

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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