

# Converting Colors

$Y_{xy}(107.7810, 0.3145, 0.3572)$

Have a look what the booklet for  
Yxy(107.7810, 0.3145, 0.3572)  
contains.

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# **Color**

**Yxy(97.4637, 0.3152, 0.3427)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F6FFF1
RGB	246, 255, 241
RGB Percent	96%, 100%, 95%
CMY	0.0353, 0.0000, 0.0550
CMYK	0.04, 0.00, 0.05, 0.00
HSL	98°, 100%, 97%
HSV	98°, 5%, 100%
XYZ	89.6427, 97.4637, 97.2931
YIQ	250.7130, -0.8700, -6.2620

# Conversions

## Conversions Part 2

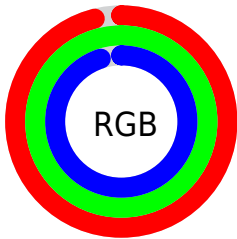
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	241, 255, 250
Decimal	16187377
CIE Lab	99.01, -5.40, 5.66
CIE LCh	99, 7.821, 133.652
Yxy	97.4637, 0.3152, 0.3427
Android (android.graphics.Color)	4294377457 (0xFFFF6FFF1)
YUV	250.7130, -4.7885, -4.1333
Hunter-Lab	98.7237, -10.6856, 10.6758

# Details

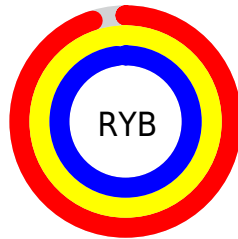
The Yxy color 97.4637, 0.3152, 0.3427 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.4410, 0.3101, 0.3154, and the grayscale version is 96.2596, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.8381, 0.3159, 0.3452 is the 20% darker color. If you saturate the color by 10%, you get 93.2159, 0.3196, 0.3696, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

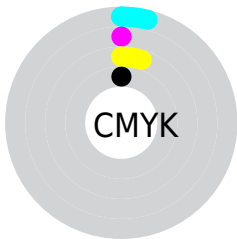
# Distribution



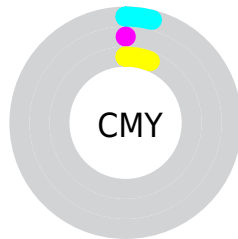
- Red (96%)
- Green (100%)
- Blue (95%)



- Red (95%)
- Yellow (100%)
- Blue (98%)



- Cyan (4%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.4637, 0.3152, 0.3427 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 97.4637, 0.3152, 0.3427 by changing the saturation by 10% instead.



 97.4637, 0.3152,  
0.3427

 97.4637, 0.3152,  
0.3427


552.0225, 0.3141,  
0.3366

 74.1872, 0.3154,  
0.3440


157.6640, 0.3148,  
0.3406

 54.9473, 0.3157,  
0.3456


195.3565, 0.3147,  
0.3398

 39.3595, 0.3160,  
0.3476


238.6232, 0.3146,  
0.3391

 27.0395, 0.3164,  
0.3502

287.8484, 0.3145,  
0.3385

 17.6029, 0.3170,  
0.3535

343.4166, 0.3144,  
0.3380

 10.6653, 0.3177,  
0.3581

405.7120, 0.3143,

 5.8422, 0.3186,

0.3375

0.3648

475.1192, 0.3142,  
0.3370

■ 2.7494, 0.3200,  
0.3756

■ 1.0023, 0.3253,  
0.3995

■ 97.4637, 0.3152,  
0.3427

■ 97.4637, 0.3152,  
0.3427

■ 93.2159, 0.3196,  
0.3696

100.0000, 0.3127,  
0.3290

■ 89.4260, 0.3238,  
0.3990

■ 86.0781, 0.3274,  
0.4302

■ 83.1549, 0.3301,  
0.4623

■ 80.6375, 0.3315,  
0.4940

■ 78.5056, 0.3314,  
0.5235

■ 76.7371, 0.3295,  
0.5488

■ 75.3066, 0.3259,  
0.5684

■ 74.1845, 0.3208,  
0.5813

# Harmonies

## Analogous

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



97.4637, 0.3232, 0.3438



97.4637, 0.3152, 0.3427



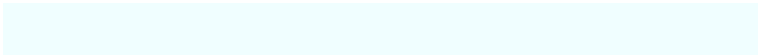
97.4637, 0.3066, 0.3377

# Triad

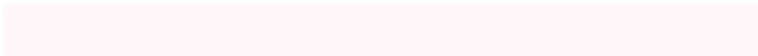
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



97.4637, 0.3152, 0.3427



97.4637, 0.2973, 0.3170



97.4637, 0.3258, 0.3275

# Complementary

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



97.4637, 0.3152, 0.3427



90.4410, 0.3101, 0.3154

# 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.



97.4637, 0.3187, 0.3205



97.4637, 0.3152, 0.3427



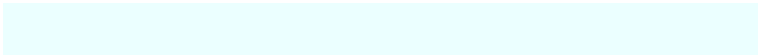
97.4637, 0.3022, 0.3145

# Square

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



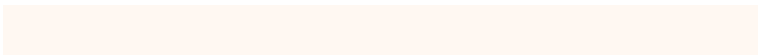
97.4637, 0.3152, 0.3427



97.4637, 0.2964, 0.3227



97.4637, 0.3101, 0.3158



97.4637, 0.3294, 0.3349



# Rectangle

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



97.4637, 0.3152, 0.3427



97.4637, 0.3018, 0.3330



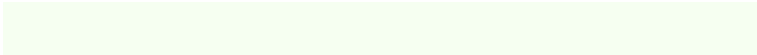
97.4637, 0.3101, 0.3158



97.4637, 0.3237, 0.3250

# Sweetspot

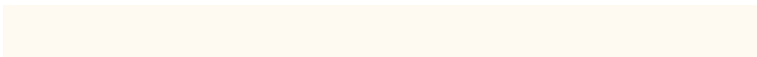
The Sweet Spot groups the original color and five complimentary colors.



97.4641, 0.3152, 0.3427



99.0605, 0.3136, 0.3339



95.8947, 0.3213, 0.3376



21.2129, 0.3136, 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.



97.4641, 0.3152, 0.3427



96.7954, 0.3159, 0.3466



96.6802, 0.3110, 0.3410



20.6614, 0.3161, 0.3482



38.6194, 0.3195, 0.5845

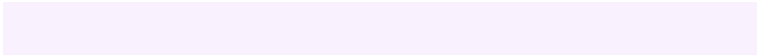


3.8190, 0.3281, 0.5777



# Inverse Universe

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



90.4410, 0.3101, 0.3154



87.9420, 0.3093, 0.3116



91.2615, 0.3145, 0.3173



18.6115, 0.3090, 0.3101



7.9618, 0.2324, 0.1054



0.8367, 0.2424, 0.1109



# Previews

## White Background



This preview shows how the Yxy color 97.4637, 0.3152, 0.3427 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

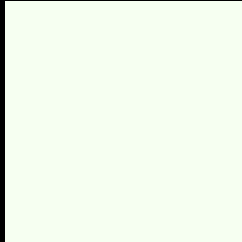
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.4637, 0.3152, 0.3427 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

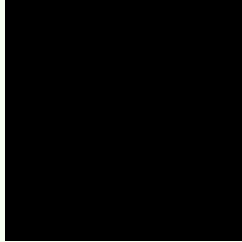
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 97.4637, 0.3152, 0.3427**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.4637, 0.3152, 0.3427.

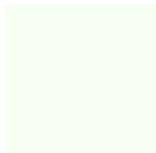


This preview shows how white text looks on a background with the Yxy color 97.4637, 0.3152, 0.3427.

# 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

97.4637, 0.3152, 0.3427



### Protanopia

97.5962, 0.3175, 0.3338

### Deuteranopia

97.2194, 0.3152, 0.3290

## Tritanopia

97.5363, 0.3110, 0.3261

# Trichromacy



**Original Color**

97.4637, 0.3152, 0.3427

**Protanomaly**

97.5386, 0.3167, 0.3367

**Deuteranomaly**

97.0317, 0.3156, 0.3338

**Tritanomaly**

97.4767, 0.3126, 0.3319

# Monochromacy



**Original Color**

97.4637, 0.3152, 0.3427

**Achromatopsia**

96.4686, 0.3127, 0.3290

**Achromatomaly**

96.4759, 0.3137, 0.3338

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 97.4637, 0.3152, 0.3427 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(246, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 241)  
}
```

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(246, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 97.4637, 0.3152, 0.3427 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(246, 255, 241) }
```

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

```
.border{ border-color:rgb(246, 255, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.4637, 0.3152, 0.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 241) }
```

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

```
.background{ background-color: rgb(246,  
255, 241) }
```

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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