

# Converting Colors

$Y_{xy}(93.7371, 0.3226, 0.3707)$

Have a look what the booklet for  
Yxy(93.7371, 0.3226, 0.3707)  
contains.

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# Color

**Yxy(93.6987, 0.3226, 0.3709)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9FFD6
RGB	233, 255, 214
RGB Percent	91%, 100%, 84%
CMY	0.0864, 0.0000, 0.1607
CMYK	0.09, 0.00, 0.16, 0.00
HSL	92°, 100%, 92%
HSV	92°, 16%, 100%
XYZ	81.4969, 93.6987, 77.4296
YIQ	243.7480, 0.0490, -17.4150

# Conversions

## Conversions Part 2

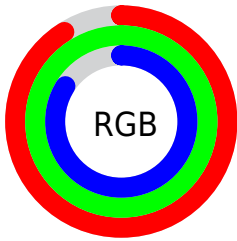
<b>Format</b>	<b>Color</b>
<b>RYB</b>	214, 255, 236
Decimal	15335382
CIELab	97.51, -14.26, 17.19
CIELCh	98, 22.334, 129.671
Yxy	93.6987, 0.3226, 0.3709
Android (android.graphics.Color)	4293525462 (0xFFE9FFD6)
YUV	243.7480, -14.6658, -9.4260
Hunter-Lab	96.7981, -19.1127, 20.3321

# Details

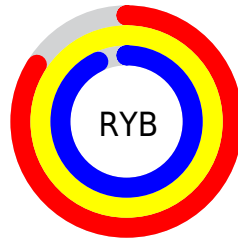
The Yxy color **93.6987, 0.3226, 0.3709** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **73.1742, 0.3014, 0.2874**, and the grayscale version is **90.3684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.2385, 0.3246, 0.3803** is the 20% darker color. If you saturate the color by 10%, you get **90.2732, 0.3285, 0.3997**, and if you desaturate by 10%, it is **97.4999, 0.3165, 0.3441**.

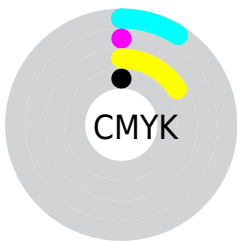
# Distribution



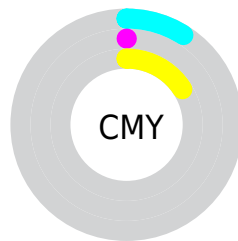
- Red (91%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (93%)



- Cyan (9%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.6987, 0.3226, 0.3709 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 93.6987, 0.3226, 0.3709 by changing the saturation by 10% instead.




 93.6987, 0.3226,  
0.3709

 93.6987, 0.3226,  
0.3709


539.9906, 0.3185,  
0.3519

 71.0524, 0.3234,  
0.3751

152.4656, 0.3212,  
0.3644

 52.3849, 0.3244,  
0.3803


189.3549, 0.3207,  
0.3619

 37.3120, 0.3256,  
0.3868


231.7607, 0.3202,  
0.3596

 25.4491, 0.3271,  
0.3951

280.0674, 0.3198,  
0.3577

 16.4120, 0.3288,  
0.4062

334.6593, 0.3194,  
0.3560

 9.8162, 0.3310,  
0.4217

395.9209, 0.3191,

 5.2772, 0.3335,

0.3545

0.4447

464.2365, 0.3187,  
0.3532

■ 2.4108, 0.3357,  
0.4824

■ 0.8315, 0.3472,  
0.6528

■ 93.6987, 0.3226,  
0.3709

■ 93.6987, 0.3226,  
0.3709

■ 90.2732, 0.3285,  
0.3997

■ 97.4999, 0.3165,  
0.3441

■ 87.2214, 0.3337,  
0.4300

100.0000, 0.3127,  
0.3290

■ 84.5250, 0.3380,  
0.4608

■ 82.1686, 0.3409,  
0.4908

■ 80.1351, 0.3419,  
0.5184

■ 78.4061, 0.3408,  
0.5420

■ 76.9601, 0.3376,  
0.5602

■ 75.7716, 0.3325,  
0.5724

■ 75.3615, 0.3303,  
0.5760

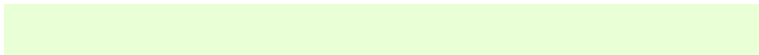
# Harmonies

## Analogous

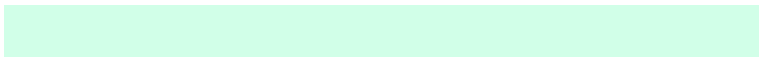
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.6987, 0.3453, 0.3718



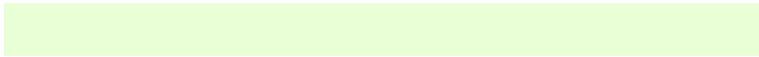
93.6987, 0.3226, 0.3709



93.6987, 0.2979, 0.3574

# Triad

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



93.6987, 0.3226, 0.3709



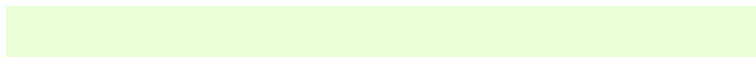
93.6987, 0.2678, 0.2956



93.6987, 0.3485, 0.3213

# Complementary

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



93.6987, 0.3226, 0.3709



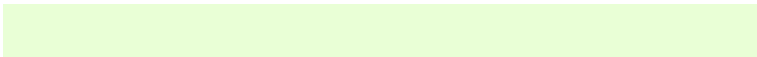
73.1742, 0.3014, 0.2874

# Split Complementary

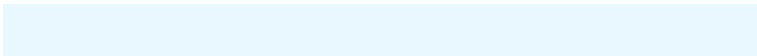
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.6987, 0.3265, 0.3029



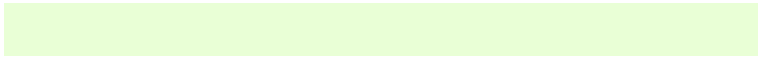
93.6987, 0.3226, 0.3709



93.6987, 0.2801, 0.2880

# Square

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



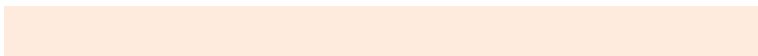
93.6987, 0.3226, 0.3709



93.6987, 0.2669, 0.3127



93.6987, 0.3014, 0.2909

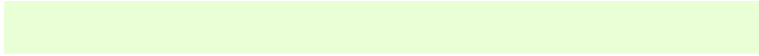


93.6987, 0.3608, 0.3422

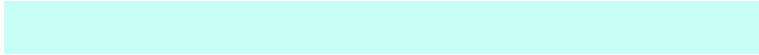


# Rectangle

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



93.6987, 0.3226, 0.3709



93.6987, 0.2836, 0.3433



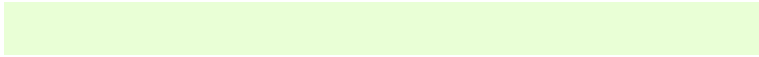
93.6987, 0.3014, 0.2909



93.6987, 0.3420, 0.3147

# Sweetspot

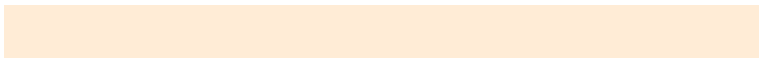
The Sweet Spot groups the original color and five complimentary colors.



93.6949, 0.3226, 0.3709



97.9284, 0.3158, 0.3414



86.0399, 0.3398, 0.3508



20.9001, 0.3162, 0.3432



0.0000, 0.0000, 0.0000

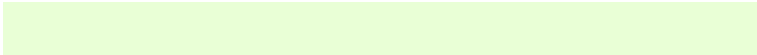


21.4041, 0.3127, 0.3290

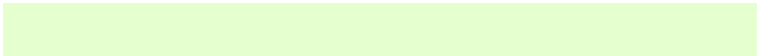


# Same Dimension

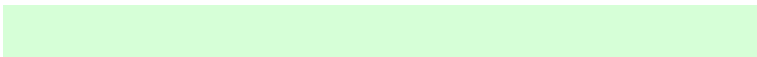
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.6949, 0.3226, 0.3709



92.6516, 0.3244, 0.3792



90.7480, 0.3099, 0.3709



20.5795, 0.3186, 0.3531



39.4646, 0.3314, 0.5750



3.9067, 0.3402, 0.5681



# Inverse Universe

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



73.1742, 0.3014, 0.2874



68.8855, 0.2989, 0.2793



76.5024, 0.3155, 0.2904



17.8589, 0.3064, 0.3050



6.6478, 0.2097, 0.0929



0.7123, 0.2215, 0.0994



# Previews

## White Background



This preview shows how the Yxy color 93.6987, 0.3226, 0.3709 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 93.6987, 0.3226, 0.3709 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

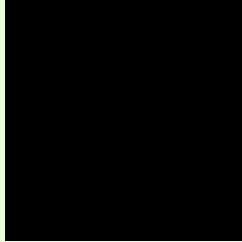
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

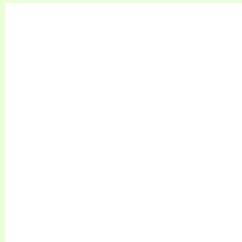
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 93.6987, 0.3226, 0.3709**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.6987, 0.3226, 0.3709.

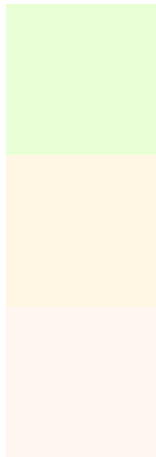


This preview shows how white text looks on a background with the Yxy color 93.6987, 0.3226, 0.3709.

# 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

93.6987, 0.3226, 0.3709

### Protanopia

93.3276, 0.3301, 0.3486

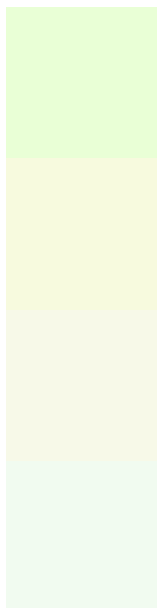
### Deuteranopia

93.5823, 0.3209, 0.3329

## **Tritanopia**

93.7673, 0.3067, 0.3222

# Trichromacy



## Original Color

93.6987, 0.3226, 0.3709

## Protanomaly

93.4193, 0.3275, 0.3569

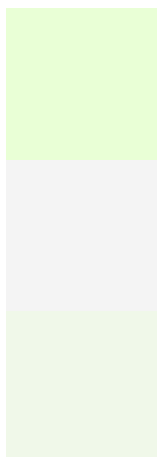
## Deuteranomaly

93.3517, 0.3216, 0.3458

## Tritanomaly

93.9864, 0.3128, 0.3399

# Monochromacy



## Original Color

93.6987, 0.3226, 0.3709

## Achromatopsia

90.4661, 0.3127, 0.3290

## Achromatomaly

91.5433, 0.3165, 0.3440

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.6987, 0.3226, 0.3709 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(233, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 214)  
}
```

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(233, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 93.6987, 0.3226, 0.3709 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(233, 255, 214) }
```

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

```
.border{ border-color:rgb(233, 255, 214) }
```

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

Here you see how a box with a 4 pixel rgb(233, 255, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.6987, 0.3226, 0.3709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 214) }
```

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

```
.background{ background-color: rgb(233,  
255, 214) }
```

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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