

# Converting Colors

$Yxy(95.9174, 0.3344, 0.3744)$

Have a look what the booklet for  
Yxy(95.9174, 0.3344, 0.3744)  
contains.

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# **Color**

**Yxy(95.8976, 0.3347, 0.3748)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7FFD1
RGB	247, 255, 209
RGB Percent	97%, 100%, 82%
CMY	0.0312, 0.0000, 0.1803
CMYK	0.03, 0.00, 0.18, 0.00
HSL	70°, 100%, 91%
HSV	70°, 18%, 100%
XYZ	85.6375, 95.8976, 74.3283
YIQ	247.3640, 9.9980, -16.0020

# Conversions

## Conversions Part 2

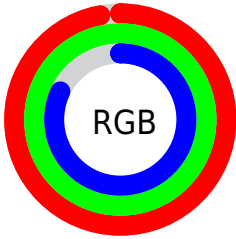
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 255, 217
Decimal	16252881
CIE Lab	98.39, -10.14, 21.13
CIE LCh	98, 23.435, 115.647
Yxy	95.8976, 0.3347, 0.3748
Android (android.graphics.Color)	4294442961 (0xFFFF7FFD1)
YUV	247.3640, -18.9135, -0.3192
Hunter-Lab	97.9273, -15.2745, 23.5471

# Details

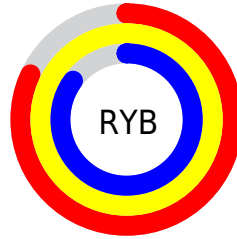
The Yxy color **95.8976, 0.3347, 0.3748** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.5773, 0.2882, 0.2804**, and the grayscale version is **93.4821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.6684, 0.3391, 0.3851** is the 20% darker color. If you saturate the color by 10%, you get **93.9449, 0.3469, 0.4013**, and if you desaturate by 10%, it is **98.0799, 0.3224, 0.3489**.

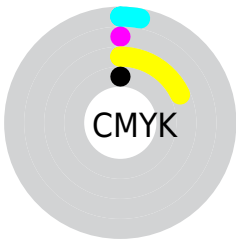
# Distribution



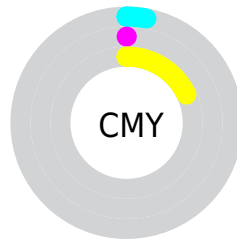
- Red (97%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (85%)



- Cyan (3%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.8976, 0.3347, 0.3748 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 95.8976, 0.3347, 0.3748 by changing the saturation by 10% instead.




 95.8976, 0.3347,  
0.3748

 95.8976, 0.3347,  
0.3748


547.0346, 0.3252,  
0.3543

 72.8823, 0.3367,  
0.3793


155.5041, 0.3316,  
0.3678

 53.8797, 0.3391,  
0.3848


192.8640, 0.3303,  
0.3651

 38.5055, 0.3420,  
0.3917


235.7743, 0.3292,  
0.3627

 26.3753, 0.3456,  
0.4004

284.6193, 0.3282,  
0.3606

 17.1046, 0.3501,  
0.4119

339.7835, 0.3273,  
0.3587

 10.3091, 0.3559,  
0.4276

401.6511, 0.3266,

 5.6044, 0.3635,

0.3571

0.4504

470.6067, 0.3259,  
0.3556

■ 2.6060, 0.3744,  
0.4872

■ 0.9297, 0.4060,  
0.5940

■ 95.8976, 0.3347,  
0.3748

■ 95.8976, 0.3347,  
0.3748

■ 93.9449, 0.3469,  
0.4013

■ 98.0799, 0.3224,  
0.3489

■ 92.1995, 0.3585,  
0.4278

99.9966, 0.3127,  
0.3290

■ 90.6549, 0.3689,  
0.4530

■ 89.2998, 0.3777,  
0.4761

■ 88.1213, 0.3843,  
0.4958

■ 87.1051, 0.3884,  
0.5114

■ 86.2339, 0.3898,  
0.5223

■ 85.4846, 0.3888,  
0.5287

■ 85.3450, 0.3885,  
0.5298

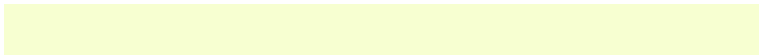
# Harmonies

## Analogous

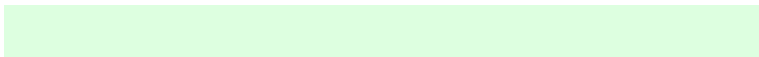
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.8976, 0.3550, 0.3695



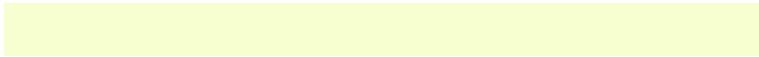
95.8976, 0.3347, 0.3748



95.8976, 0.3091, 0.3667

# Triad

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



95.8976, 0.3347, 0.3748



95.8976, 0.2640, 0.3014



95.8976, 0.3402, 0.3115

# Complementary

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



95.8976, 0.3347, 0.3748



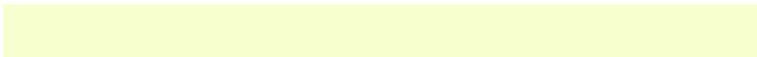
67.5773, 0.2882, 0.2804

# 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.



95.8976, 0.3147, 0.2950



95.8976, 0.3347, 0.3748



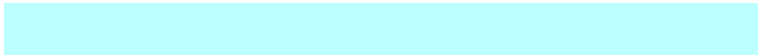
95.8976, 0.2714, 0.2887

# Square

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



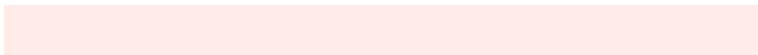
95.8976, 0.3347, 0.3748



95.8976, 0.2689, 0.3227



95.8976, 0.2897, 0.2867

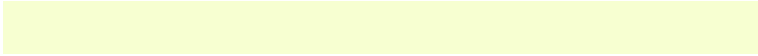


95.8976, 0.3584, 0.3325

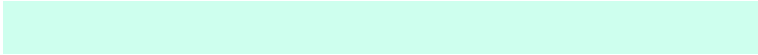


# Rectangle

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



95.8976, 0.3347, 0.3748



95.8976, 0.2925, 0.3545



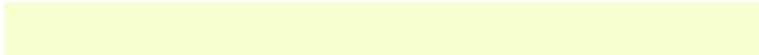
95.8976, 0.2897, 0.2867



95.8976, 0.3321, 0.3053

# Sweetspot

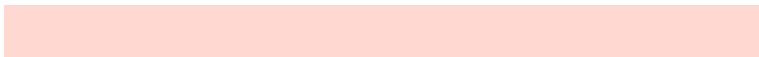
The Sweet Spot groups the original color and five complimentary colors.



95.9018, 0.3347, 0.3748



98.7897, 0.3187, 0.3413



75.3245, 0.3465, 0.3369



21.1097, 0.3196, 0.3431



0.0000, 0.0000, 0.0000

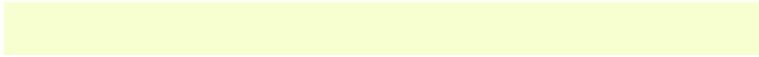


21.4041, 0.3127, 0.3290

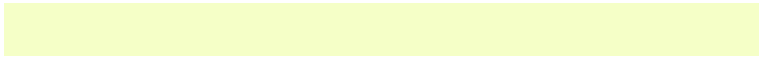


# Same Dimension

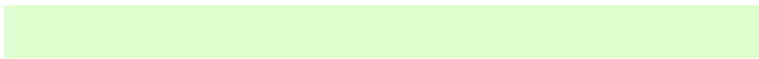
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.9018, 0.3347, 0.3748



95.1037, 0.3396, 0.3853



92.0231, 0.3200, 0.3770



20.9224, 0.3242, 0.3527



44.6550, 0.3890, 0.5293



4.3879, 0.3926, 0.5264



# Inverse Universe

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



67.5773, 0.2882, 0.2804



61.5193, 0.2820, 0.2684



71.2967, 0.3039, 0.2826



17.5288, 0.3006, 0.3046



4.0976, 0.1576, 0.0642

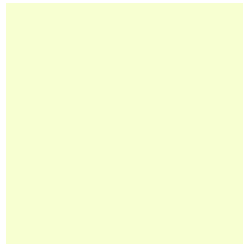


0.4387, 0.1667, 0.0692



# Previews

## White Background



This preview shows how the Yxy color 95.8976, 0.3347, 0.3748 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

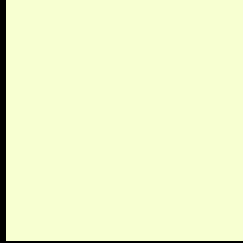
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.8976, 0.3347, 0.3748 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

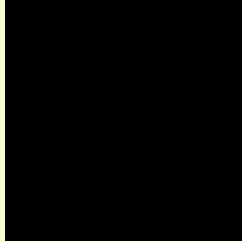
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

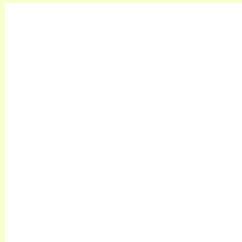
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 95.8976, 0.3347, 0.3748**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.8976, 0.3347, 0.3748.



This preview shows how white text looks on a background with the Yxy color 95.8976, 0.3347, 0.3748.

# Color Blindness Simulation

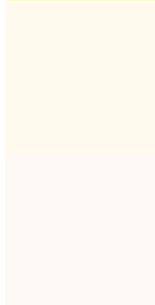
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



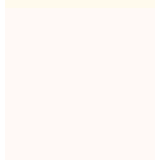
### Original Color

95.8976, 0.3347, 0.3748



### Protanopia

95.7456, 0.3236, 0.3416



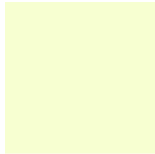
### Deuteranopia

95.6652, 0.3183, 0.3319

## Tritanopia

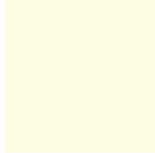
95.6668, 0.3111, 0.3232

# Trichromacy



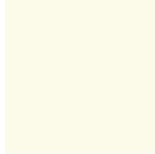
## Original Color

95.8976, 0.3347, 0.3748



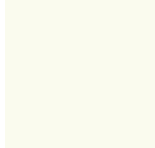
## Protanomaly

95.8623, 0.3275, 0.3535



## Deuteranomaly

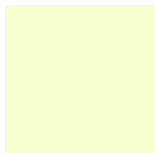
95.5730, 0.3240, 0.3466



## Tritanomaly

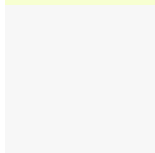
95.4914, 0.3197, 0.3417

# Monochromacy



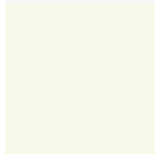
## Original Color

95.8976, 0.3347, 0.3748



## Achromatopsia

93.0111, 0.3127, 0.3290



## Achromatomaly

94.0286, 0.3209, 0.3458

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.8976, 0.3347, 0.3748 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 95.8976, 0.3347, 0.3748 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, 209) }
```

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

```
.border{ border-color:rgb(247, 255, 209) }
```

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, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.8976, 0.3347, 0.3748 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, 209) }
```

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

```
.background{ background-color: rgb(247,  
255, 209) }
```

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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