

# Converting Colors

$Yxy(95.5878, 0.3309, 0.3716)$

Have a look what the booklet for  
Yxy(95.5878, 0.3309, 0.3716)  
contains.

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# Color

**Yxy(95.5066, 0.3309, 0.3721)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4FFD4
RGB	244, 255, 212
RGB Percent	96%, 100%, 83%
CMY	0.0434, 0.0000, 0.1687
CMYK	0.04, 0.00, 0.17, 0.00
HSL	75°, 100%, 92%
HSV	75°, 17%, 100%
XYZ	84.9318, 95.5066, 76.2307
YIQ	246.8090, 7.2470, -15.7050

# Conversions

## Conversions Part 2

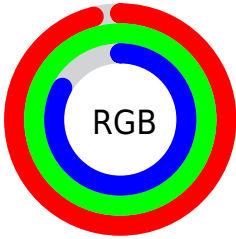
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 255, 223
Decimal	16056276
CIE Lab	98.24, -10.80, 19.37
CIE LCh	98, 22.177, 119.151
Yxy	95.5066, 0.3309, 0.3721
Android (android.graphics.Color)	4294246356 (0xFFF4FFD4)
YUV	246.8090, -17.1608, -2.4635
Hunter-Lab	97.7275, -15.8944, 22.1610

# Details

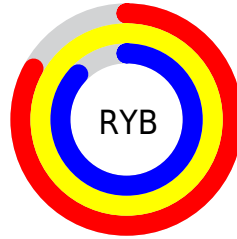
The Yxy color **95.5066, 0.3309, 0.3721** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.9924, 0.2924, 0.2841**, and the grayscale version is **92.9660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.5139, 0.3352, 0.3815** is the 20% darker color. If you saturate the color by 10%, you get **93.1541, 0.3416, 0.3992**, and if you desaturate by 10%, it is **98.0776, 0.3201, 0.3460**.

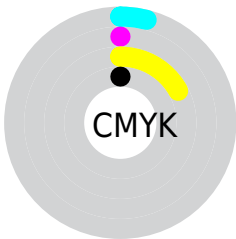
# Distribution



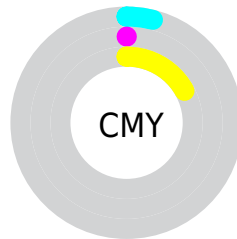
- Red (96%)
- Green (100%)
- Blue (83%)



- Red (83%)
- Yellow (100%)
- Blue (87%)



- Cyan (4%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.5066, 0.3309, 0.3721 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 95.5066, 0.3309, 0.3721 by changing the saturation by 10% instead.




 95.5066, 0.3309,  
0.3721

 95.5066, 0.3309,  
0.3721


545.7855, 0.3231,  
0.3528

 72.5567, 0.3325,  
0.3764


154.9643, 0.3283,  
0.3655

 53.6136, 0.3345,  
0.3816

192.2409, 0.3273,  
0.3629

 38.2928, 0.3369,  
0.3881


235.0618, 0.3264,  
0.3607

 26.2100, 0.3398,  
0.3964

283.8115, 0.3255,  
0.3587

 16.9808, 0.3436,  
0.4073

338.8743, 0.3248,  
0.3569

 10.2208, 0.3484,  
0.4224

400.6347, 0.3242,

 5.5456, 0.3546,

0.3554

0.4444

469.4769, 0.3236,  
0.3540

■ 2.5708, 0.3629,  
0.4796

■ 0.9120, 0.3980,  
0.6020

■ 95.5066, 0.3309,  
0.3721

■ 95.5066, 0.3309,  
0.3721

■ 93.1541, 0.3416,  
0.3992

■ 98.0776, 0.3201,  
0.3460

■ 91.0499, 0.3518,  
0.4265

100.0000, 0.3127,  
0.3290

■ 89.1701, 0.3608,  
0.4533

■ 87.5029, 0.3683,  
0.4782

■ 86.0355, 0.3737,  
0.5001

■ 84.7533, 0.3766,  
0.5180

■ 83.6393, 0.3768,  
0.5312

■ 82.6719, 0.3746,  
0.5395

■ 82.3892, 0.3736,  
0.5415

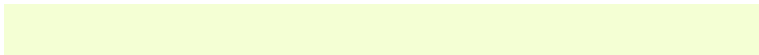
# Harmonies

## Analogous

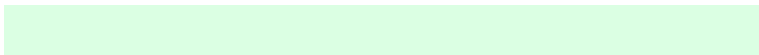
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.5066, 0.3510, 0.3686



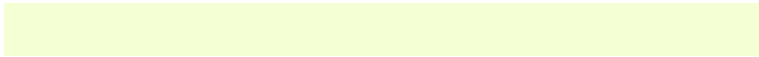
95.5066, 0.3309, 0.3721



95.5066, 0.3065, 0.3629

# Triad

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



95.5066, 0.3309, 0.3721



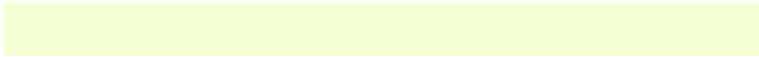
95.5066, 0.2667, 0.3010



95.5066, 0.3412, 0.3146

# Complementary

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



95.5066, 0.3309, 0.3721



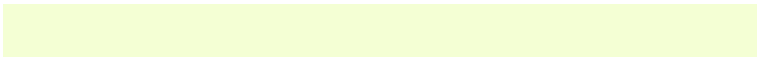
69.9924, 0.2924, 0.2841

# Split Complementary

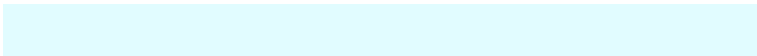
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.5066, 0.3176, 0.2982



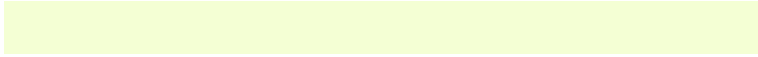
95.5066, 0.3309, 0.3721



95.5066, 0.2751, 0.2900

# Square

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



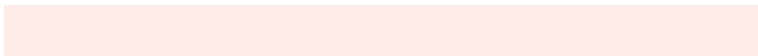
95.5066, 0.3309, 0.3721



95.5066, 0.2700, 0.3204



95.5066, 0.2934, 0.2893

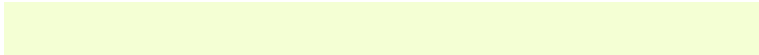


95.5066, 0.3573, 0.3348

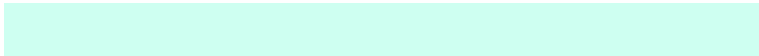


# Rectangle

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



95.5066, 0.3309, 0.3721



95.5066, 0.2911, 0.3508



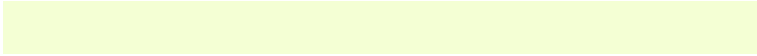
95.5066, 0.2934, 0.2893



95.5066, 0.3338, 0.3085

# Sweetspot

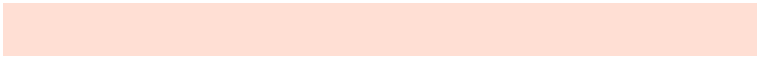
The Sweet Spot groups the original color and five complimentary colors.



95.4933, 0.3309, 0.3721



98.5890, 0.3181, 0.3413



78.6462, 0.3434, 0.3399



21.0608, 0.3188, 0.3431



0.0000, 0.0000, 0.0000

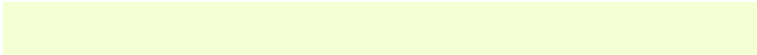


21.4041, 0.3127, 0.3290

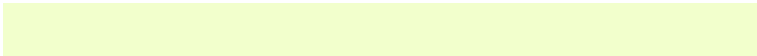


# Same Dimension

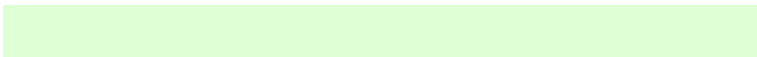
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.4933, 0.3309, 0.3721



94.7354, 0.3343, 0.3805



91.9183, 0.3173, 0.3739



20.8418, 0.3229, 0.3528



43.1255, 0.3744, 0.5409



4.2513, 0.3797, 0.5367



# Inverse Universe

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



69.9924, 0.2924, 0.2841



65.1760, 0.2881, 0.2749



73.5737, 0.3071, 0.2861



17.6036, 0.3019, 0.3047



4.4307, 0.1651, 0.0683

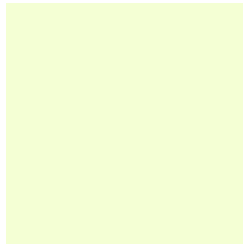


0.4811, 0.1761, 0.0744



# Previews

## White Background



This preview shows how the Yxy color 95.5066, 0.3309, 0.3721 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

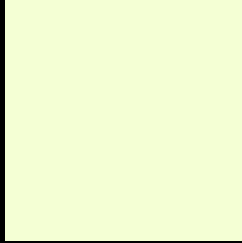
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.5066, 0.3309, 0.3721 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

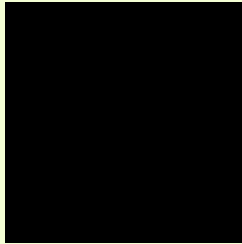
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

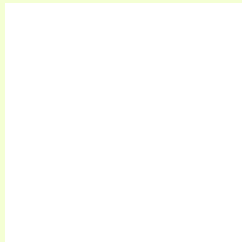
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 95.5066, 0.3309, 0.3721**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.5066, 0.3309, 0.3721.



This preview shows how white text looks on a background with the Yxy color 95.5066, 0.3309, 0.3721.

# 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

95.5066, 0.3309, 0.3721

### Protanopia

95.6294, 0.3249, 0.3436

### Deuteranopia

95.6039, 0.3189, 0.3329

## Tritanopia

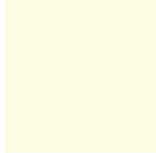
95.2954, 0.3098, 0.3232

# Trichromacy



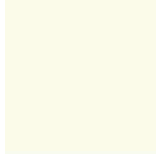
## Original Color

95.5066, 0.3309, 0.3721



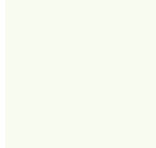
## Protanomaly

95.6761, 0.3269, 0.3536



## Deuteranomaly

95.3868, 0.3234, 0.3466



## Tritanomaly

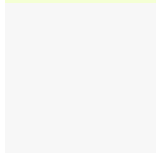
95.1828, 0.3179, 0.3408

# Monochromacy



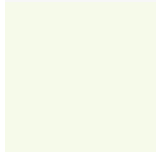
## Original Color

95.5066, 0.3309, 0.3721



## Achromatopsia

93.0111, 0.3127, 0.3290



## Achromatomaly

93.9046, 0.3196, 0.3448

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.5066, 0.3309, 0.3721 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(244, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 212)  
}
```

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(244, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 95.5066, 0.3309, 0.3721 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(244, 255, 212) }
```

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

```
.border{ border-color:rgb(244, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.5066, 0.3309, 0.3721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 255, 212) }
```

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

```
.background{ background-color: rgb(244,  
255, 212) }
```

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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