

# Converting Colors

$Y_{xy}(113.8477, 0.3398, 0.4139)$

Have a look what the booklet for  
Yxy(113.8477, 0.3398, 0.4139)  
contains.

<b>Yxy(95.3267, 0.3449, 0.3909)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(95.3267, 0.3449, 0.3909)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8FFC1
RGB	248, 255, 193
RGB Percent	97%, 100%, 76%
CMY	0.0273, 0.0000, 0.2431
CMYK	0.03, 0.00, 0.24, 0.00
HSL	67°, 100%, 88%
HSV	67°, 24%, 100%
XYZ	84.1089, 95.3267, 64.4290
YIQ	245.8390, 15.7300, -20.7660

# Conversions

## Conversions Part 2

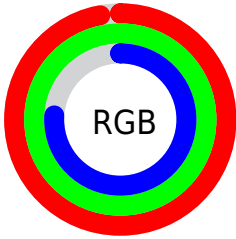
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	193, 255, 200
Decimal	16318401
CIE <sub>Lab</sub>	98.16, -12.05, 28.93
CIE <sub>LCh</sub>	98, 31.338, 112.621
Yxy	95.3267, 0.3449, 0.3909
Android (android.graphics.Color)	4294508481 (0xFFFF8FFC1)
YUV	245.8390, -26.0496, 1.8952
Hunter-Lab	97.6354, -17.0914, 29.2196

# Details

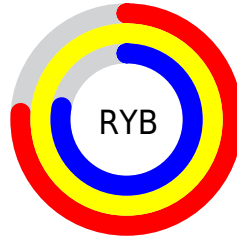
The Yxy color **95.3267, 0.3449, 0.3909** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.6439, 0.2756, 0.2607**, and the grayscale version is **92.2352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6821, 0.3156, 0.3338**, and **53.3286, 0.3512, 0.4042** is the 20% darker color. If you saturate the color by 10%, you get **93.7700, 0.3579, 0.4169**, and if you desaturate by 10%, it is **97.0961, 0.3316, 0.3649**.

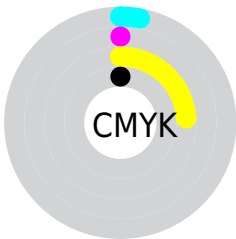
# Distribution



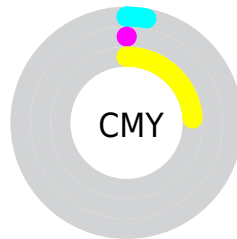
- Red (97%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (78%)



- Cyan (3%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.3267, 0.3449, 0.3909 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 95.3267, 0.3449, 0.3909 by changing the saturation by 10% instead.




 95.3267, 0.3449,  
0.3909

 95.3267, 0.3449,  
0.3909


545.2103, 0.3312,  
0.3631

 72.4069, 0.3478,  
0.3970


 154.7159, 0.3404,  
0.3815

 53.4912, 0.3512,  
0.4044


191.9541, 0.3385,  
0.3777

 38.1950, 0.3552,  
0.4136


234.7338, 0.3369,  
0.3745

 26.1341, 0.3602,  
0.4253

283.4396, 0.3355,  
0.3717

 16.9240, 0.3663,  
0.4405

338.4557, 0.3342,  
0.3692

 10.1803, 0.3738,  
0.4611

400.1666, 0.3331,

 5.5187, 0.3828,

0.3669

0.4900

468.9567, 0.3321,  
0.3649

■ 2.5547, 0.4085,  
0.5552

■ 0.9039, 0.3846,  
0.6154

■ 95.3267, 0.3449,  
0.3909

■ 95.3267, 0.3449,  
0.3909

■ 93.7700, 0.3579,  
0.4169

■ 97.0961, 0.3316,  
0.3649

■ 92.4031, 0.3700,  
0.4418

■ 99.0748, 0.3183,  
0.3396

■ 91.2194, 0.3806,  
0.4648

99.9961, 0.3127,  
0.3290

■ 90.2067, 0.3892,  
0.4846

■ 89.3512, 0.3953,  
0.5005

■ 88.6372, 0.3988,  
0.5118

■ 88.0451, 0.3997,  
0.5187

■ 87.7466, 0.3993,  
0.5211

# Harmonies

## Analogous

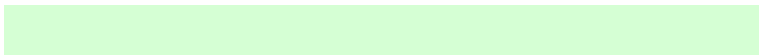
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.3267, 0.3712, 0.3811



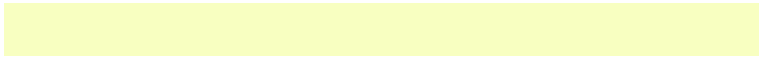
95.3267, 0.3449, 0.3909



95.3267, 0.3109, 0.3823

# Triad

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



95.3267, 0.3449, 0.3909



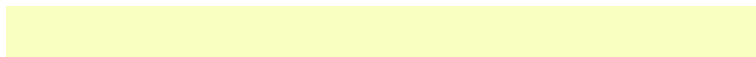
95.3267, 0.2483, 0.2940



95.3267, 0.3462, 0.3031

# Complementary

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



95.3267, 0.3449, 0.3909



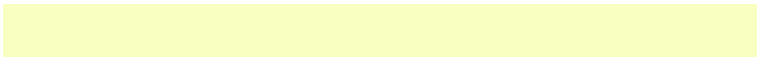
57.6439, 0.2756, 0.2607

# 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.



95.3267, 0.3115, 0.2826



95.3267, 0.3449, 0.3909



95.3267, 0.2563, 0.2764

# Square

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



95.3267, 0.3449, 0.3909



95.3267, 0.2562, 0.3232



95.3267, 0.2789, 0.2729



95.3267, 0.3725, 0.3301

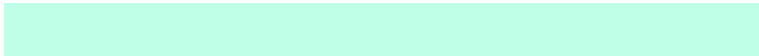


# Rectangle

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



95.3267, 0.3449, 0.3909



95.3267, 0.2886, 0.3665



95.3267, 0.2789, 0.2729



95.3267, 0.3350, 0.2953

# Sweetspot

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



95.3309, 0.3449, 0.3909



98.5253, 0.3219, 0.3463



66.0567, 0.3624, 0.3356



21.0623, 0.3226, 0.3478



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

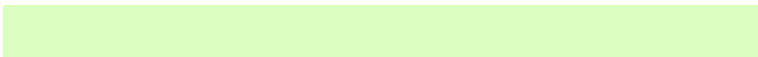
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.3309, 0.3449, 0.3909



94.5783, 0.3511, 0.4032



90.2432, 0.3250, 0.3950



20.9812, 0.3252, 0.3526



45.8934, 0.3997, 0.5208



4.4967, 0.4021, 0.5190



# Inverse Universe

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



57.6439, 0.2756, 0.2607



51.1514, 0.2671, 0.2455



62.2250, 0.2971, 0.2648



17.4753, 0.2996, 0.3045



3.9371, 0.1539, 0.0621

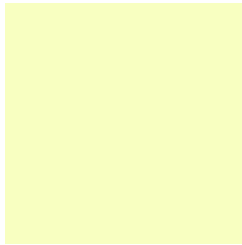


0.4135, 0.1610, 0.0660



# Previews

## White Background



This preview shows how the Yxy color 95.3267, 0.3449, 0.3909 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

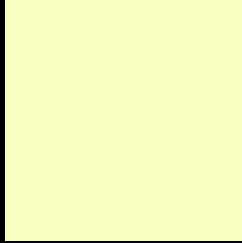
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.3267, 0.3449, 0.3909 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

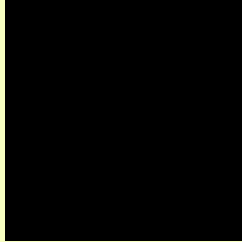
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 95.3267, 0.3449, 0.3909**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.3267, 0.3449, 0.3909.

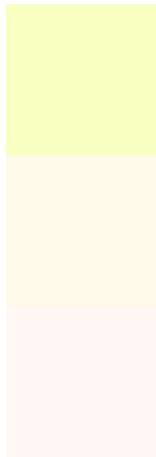


This preview shows how white text looks on a background with the Yxy color 95.3267, 0.3449, 0.3909.

# 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

95.3267, 0.3449, 0.3909

### Protanopia

94.8946, 0.3262, 0.3446

### Deuteranopia

94.9265, 0.3196, 0.3329

## Tritanopia

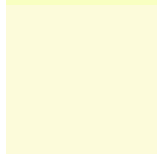
95.0503, 0.3111, 0.3223

# Trichromacy



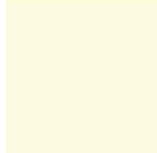
## Original Color

95.3267, 0.3449, 0.3909



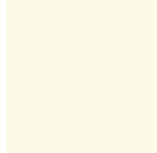
## Protanomaly

94.7518, 0.3331, 0.3616



## Deuteranomaly

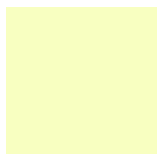
95.1261, 0.3289, 0.3545



## Tritanomaly

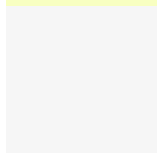
95.3298, 0.3240, 0.3476

# Monochromacy



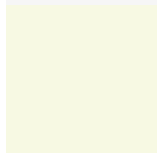
## Original Color

95.3267, 0.3449, 0.3909



## Achromatopsia

92.1582, 0.3127, 0.3290



## Achromatomaly

93.0716, 0.3246, 0.3509

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.3267, 0.3449, 0.3909 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(248, 255, 193)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 193)  
}
```

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(248, 255, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 95.3267, 0.3449, 0.3909 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(248, 255, 193) }
```

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

```
.border{ border-color:rgb(248, 255, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 255, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.3267, 0.3449, 0.3909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 255, 193) }
```

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

```
.background{ background-color: rgb(248,  
255, 193) }
```

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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