

# Converting Colors

$Y_{xy}(100.0000, 0.3285, 0.3746)$

Have a look what the booklet for  
Yxy(100.0000, 0.3285, 0.3746)  
contains.

<b>Yxy(95.8388, 0.3298, 0.3689)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# **Color**

**Yxy(95.8388, 0.3298, 0.3689)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5FFD7
RGB	245, 255, 215
RGB Percent	96%, 100%, 84%
CMY	0.0392, 0.0000, 0.1568
CMYK	0.04, 0.00, 0.16, 0.00
HSL	75°, 100%, 92%
HSV	75°, 16%, 100%
XYZ	85.6808, 95.8388, 78.2766
YIQ	247.4500, 6.8800, -14.5600

# Conversions

## Conversions Part 2

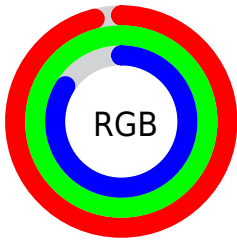
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 255, 225
Decimal	16121815
CIE Lab	98.37, -9.96, 18.02
CIE LCh	98, 20.591, 118.932
Yxy	95.8388, 0.3298, 0.3689
Android (android.graphics.Color)	4294311895 (0xFFF5FFD7)
YUV	247.4500, -15.9978, -2.1486
Hunter-Lab	97.8973, -15.0951, 21.1211

# Details

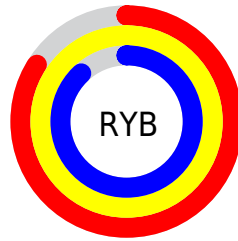
The Yxy color **95.8388, 0.3298, 0.3689** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **71.8344, 0.2938, 0.2875**, and the grayscale version is **93.5243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.7450, 0.3338, 0.3774** is the 20% darker color. If you saturate the color by 10%, you get **93.4999, 0.3407, 0.3958**, and if you desaturate by 10%, it is **98.4203, 0.3189, 0.3430**.

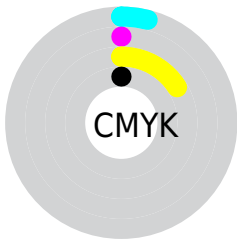
# Distribution



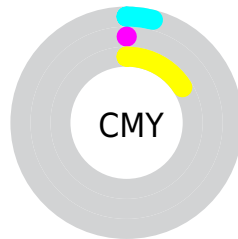
- Red (96%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (88%)



- Cyan (4%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.8388, 0.3298, 0.3689 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 95.8388, 0.3298, 0.3689 by changing the saturation by 10% instead.



 95.8388, 0.3298,  
0.3689

 95.8388, 0.3298,  
0.3689

546.8468, 0.3225,  
0.3510

 72.8333, 0.3314,  
0.3728

155.4229, 0.3274,  
0.3628

 53.8397, 0.3332,  
0.3776


192.7704, 0.3264,  
0.3604

 38.4735, 0.3355,  
0.3836


235.6672, 0.3255,  
0.3583

 26.3504, 0.3383,  
0.3913

284.4979, 0.3248,  
0.3565

 17.0860, 0.3418,  
0.4013

339.6468, 0.3241,  
0.3549

 10.2958, 0.3465,  
0.4153

401.4983, 0.3235,

 5.5955, 0.3526,

0.3535

0.4356

470.4369, 0.3229,  
0.3522

■ 2.6007, 0.3607,  
0.4677

■ 0.9270, 0.4074,  
0.5926

■ 95.8388, 0.3298,  
0.3689

■ 95.8388, 0.3298,  
0.3689

■ 93.4999, 0.3407,  
0.3958

■ 98.4203, 0.3189,  
0.3430

■ 91.3957, 0.3510,  
0.4232

100.0000, 0.3127,  
0.3290

■ 89.5150, 0.3604,  
0.4499

■ 87.8462, 0.3682,  
0.4750

■ 86.3768, 0.3740,  
0.4972

■ 85.0923, 0.3773,  
0.5155

■ 83.9761, 0.3780,  
0.5291

■ 83.0076, 0.3762,  
0.5378

■ 82.6225, 0.3749,  
0.5406

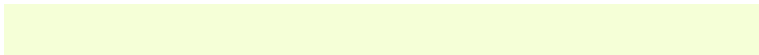
# Harmonies

## Analogous

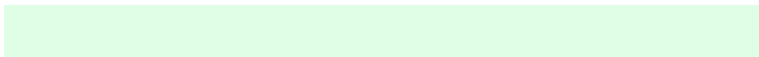
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.8388, 0.3484, 0.3657



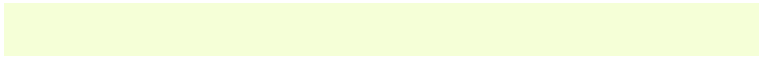
95.8388, 0.3298, 0.3689



95.8388, 0.3071, 0.3605

# Triad

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



95.8388, 0.3298, 0.3689



95.8388, 0.2699, 0.3032



95.8388, 0.3390, 0.3155

# Complementary

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



95.8388, 0.3298, 0.3689



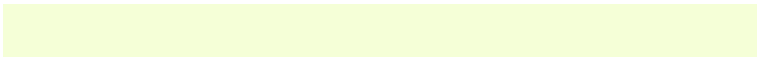
71.8344, 0.2938, 0.2875

# Split Complementary

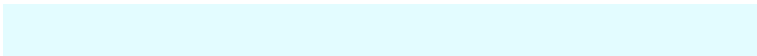
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.8388, 0.3171, 0.3002



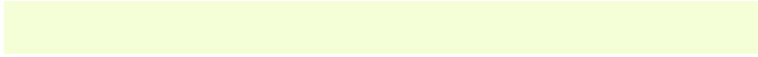
95.8388, 0.3298, 0.3689



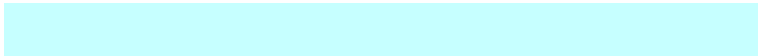
95.8388, 0.2777, 0.2928

# Square

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



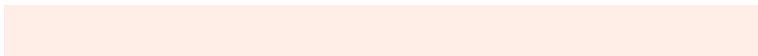
95.8388, 0.3298, 0.3689



95.8388, 0.2731, 0.3213



95.8388, 0.2947, 0.2920

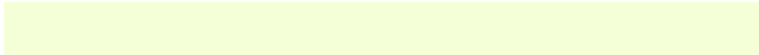


95.8388, 0.3540, 0.3344

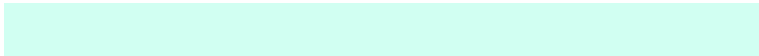


# Rectangle

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



95.8388, 0.3298, 0.3689



95.8388, 0.2928, 0.3493



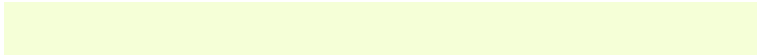
95.8388, 0.2947, 0.2920



95.8388, 0.3322, 0.3098

# Sweetspot

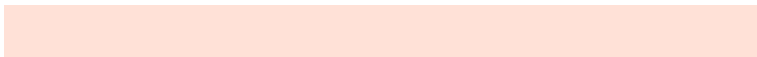
The Sweet Spot groups the original color and five complimentary colors.



95.8381, 0.3298, 0.3689



98.6058, 0.3181, 0.3413



80.0202, 0.3409, 0.3391



21.0649, 0.3189, 0.3431



0.0000, 0.0000, 0.0000

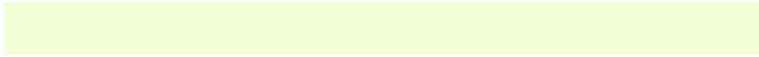


21.4041, 0.3127, 0.3290

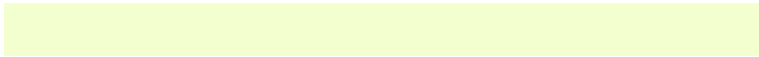


# Same Dimension

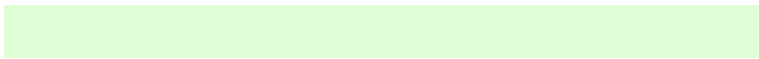
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.8381, 0.3298, 0.3689



95.0360, 0.3334, 0.3777



92.4352, 0.3170, 0.3705



20.8485, 0.3230, 0.3528



43.2462, 0.3756, 0.5400



4.2622, 0.3808, 0.5358



# Inverse Universe

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



71.8344, 0.2938, 0.2875



66.6371, 0.2893, 0.2779



75.2376, 0.3075, 0.2892



17.5973, 0.3018, 0.3047



4.3973, 0.1643, 0.0679

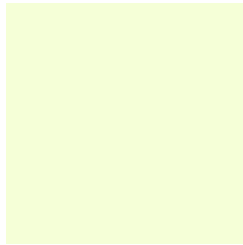


0.4770, 0.1753, 0.0739



# Previews

## White Background



This preview shows how the Yxy color 95.8388, 0.3298, 0.3689 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

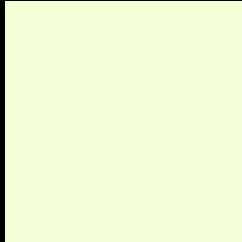
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.8388, 0.3298, 0.3689 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

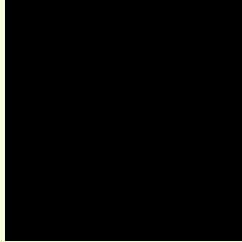
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

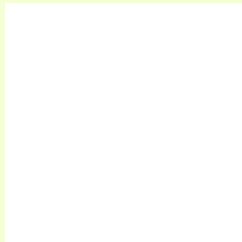
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 95.8388, 0.3298, 0.3689**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.8388, 0.3298, 0.3689.

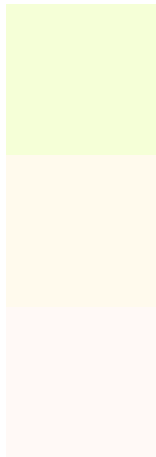


This preview shows how white text looks on a background with the Yxy color 95.8388, 0.3298, 0.3689.

# 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

95.8388, 0.3298, 0.3689

### Protanopia

95.7456, 0.3236, 0.3416

### Deuteranopia

95.6652, 0.3183, 0.3319

## **Tritanopia**

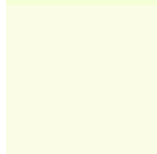
95.4806, 0.3105, 0.3232

# Trichromacy



## Original Color

95.8388, 0.3298, 0.3689



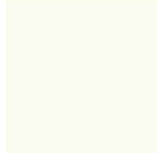
## Protanomaly

95.7872, 0.3257, 0.3516



## Deuteranomaly

95.5017, 0.3222, 0.3446



## Tritanomaly

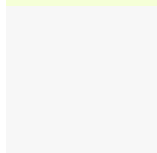
95.4254, 0.3179, 0.3398

# Monochromacy



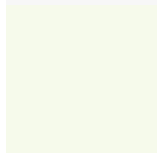
## Original Color

95.8388, 0.3298, 0.3689



## Achromatopsia

93.0111, 0.3127, 0.3290



## Achromatomaly

93.9622, 0.3190, 0.3438

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.8388, 0.3298, 0.3689 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(245, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(245, 255, 215)  
}
```

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(245, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 95.8388, 0.3298, 0.3689 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(245, 255, 215) }
```

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

```
.border{ border-color:rgb(245, 255, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.8388, 0.3298, 0.3689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 255, 215) }
```

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

```
.background{ background-color: rgb(245,  
255, 215) }
```

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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