

# Converting Colors

$Y_{xy}(100.0000, 0.3474, 0.3475)$

Have a look what the booklet for  
Yxy(100.0000, 0.3474, 0.3475)  
contains.

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# Color

**Yxy(94.6685, 0.3286, 0.3485)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF9E5
RGB	255, 249, 229
RGB Percent	100%, 98%, 90%
CMY	0.0000, 0.0235, 0.1019
CMYK	0.00, 0.02, 0.10, 0.00
HSL	46°, 100%, 95%
HSV	46°, 10%, 100%
XYZ	89.2628, 94.6685, 87.7144
YIQ	248.5140, 9.9960, -4.9480

# Conversions

## Conversions Part 2

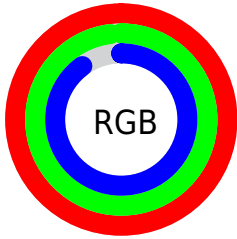
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 255, 229
Decimal	16775653
CIE Lab	97.90, -1.31, 10.29
CIE LCh	98, 10.369, 97.243
Yxy	94.6685, 0.3286, 0.3485
Android (android.graphics.Color)	4294965733 (0xFFFFF9E5)
YUV	248.5140, -9.6204, 5.6882
Hunter-Lab	97.2977, -6.5118, 14.6582

# Details

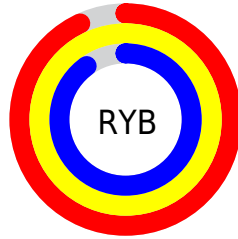
The Yxy color **94.6685, 0.3286, 0.3485** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.3123, 0.2968, 0.3087**, and the grayscale version is **94.3889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.2017, 0.3314, 0.3526** is the 20% darker color. If you saturate the color by 10%, you get **89.7664, 0.3454, 0.3684**, and if you desaturate by 10%, it is **99.8996, 0.3130, 0.3293**.

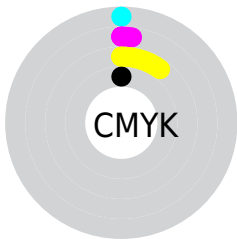
# Distribution



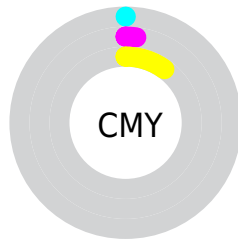
- Red (100%)
- Green (98%)
- Blue (90%)



- Red (93%)
- Yellow (100%)
- Blue (90%)



- Cyan (0%)
- Magenta (2%)
- Yellow (10%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.6685, 0.3286, 0.3485 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 94.6685, 0.3286, 0.3485 by changing the saturation by 10% instead.




 94.6685, 0.3286,  
0.3485

 94.6685, 0.3286,  
0.3485

543.1032, 0.3216,  
0.3399

 71.8591, 0.3301,  
0.3504

153.8065, 0.3262,  
0.3456

 53.0436, 0.3320,  
0.3527


190.9040, 0.3253,  
0.3444

 37.8376, 0.3342,  
0.3555


233.5329, 0.3245,  
0.3434

 25.8566, 0.3371,  
0.3591

282.0776, 0.3238,  
0.3425

 16.7164, 0.3409,  
0.3638

336.9227, 0.3231,  
0.3418

 10.0325, 0.3461,  
0.3703

398.4523, 0.3226,

 5.4205, 0.3535,

0.3411

0.3797

467.0510, 0.3221,  
0.3404

■ 2.4960, 0.3651,  
0.3946

■ 0.8747, 0.4191,  
0.4586

■ 94.6685, 0.3286,  
0.3485

■ 94.6685, 0.3286,  
0.3485

■ 89.7664, 0.3454,  
0.3684

99.8996, 0.3130,  
0.3293

■ 85.1747, 0.3633,  
0.3886

100.0000, 0.3127,  
0.3290

■ 80.8853, 0.3818,  
0.4084

■ 76.8868, 0.4004,  
0.4268

■ 73.1664, 0.4183,  
0.4429

■ 69.7100, 0.4347,  
0.4556

■ 66.5019, 0.4487,  
0.4639

■ 63.5230, 0.4599,  
0.4673

■ 60.7932, 0.4681,  
0.4665

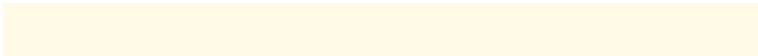
# Harmonies

## Analogous

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



94.6685, 0.3345, 0.3435



94.6685, 0.3286, 0.3485



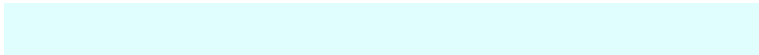
94.6685, 0.3184, 0.3482

# Triad

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



94.6685, 0.3286, 0.3485



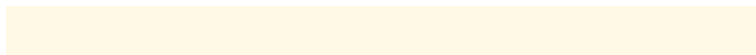
94.6685, 0.2914, 0.3226



94.6685, 0.3183, 0.3161

# Complementary

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



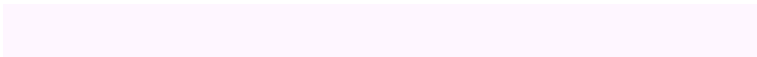
94.6685, 0.3286, 0.3485



83.3123, 0.2968, 0.3087

# Split Complementary

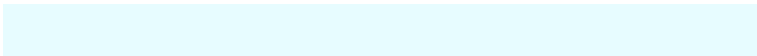
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.6685, 0.3067, 0.3106



94.6685, 0.3286, 0.3485



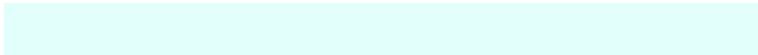
94.6685, 0.2913, 0.3142

# Square

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



94.6685, 0.3286, 0.3485



94.6685, 0.2971, 0.3330



94.6685, 0.2969, 0.3099



94.6685, 0.3285, 0.3248



# Rectangle

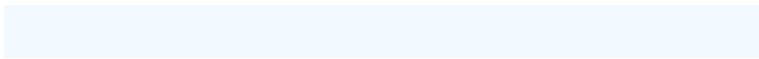
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.6685, 0.3286, 0.3485



94.6685, 0.3107, 0.3450



94.6685, 0.2969, 0.3099



94.6685, 0.3144, 0.3138

# Sweetspot

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



94.6714, 0.3286, 0.3485



98.3951, 0.3173, 0.3346



83.3160, 0.3268, 0.3231



20.9699, 0.3185, 0.3362



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

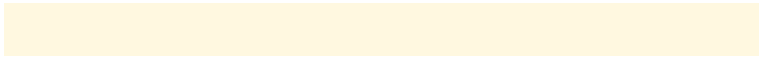


# Same Dimension

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



94.6714, 0.3286, 0.3485



93.7579, 0.3316, 0.3521



97.1485, 0.3235, 0.3545



20.3376, 0.3275, 0.3472



32.0038, 0.4672, 0.4673



3.2807, 0.4606, 0.4725



# Inverse Universe

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



83.3123, 0.2968, 0.3087



80.5442, 0.2938, 0.3048



81.0975, 0.3012, 0.3029



18.0582, 0.2979, 0.3102



5.5860, 0.1569, 0.0848

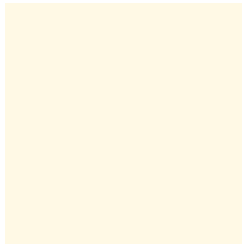


0.7011, 0.1625, 0.1050



# Previews

## White Background



This preview shows how the Yxy color 94.6685, 0.3286, 0.3485 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 94.6685, 0.3286, 0.3485 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

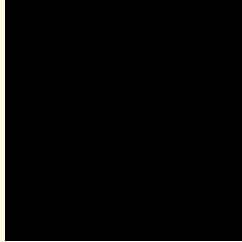
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.6685, 0.3286, 0.3485**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.6685, 0.3286, 0.3485.

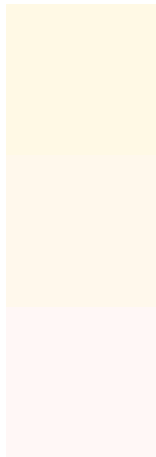


This preview shows how white text looks on a background with the Yxy color 94.6685, 0.3286, 0.3485.

# 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

94.6685, 0.3286, 0.3485

### Protanopia

94.4509, 0.3244, 0.3407

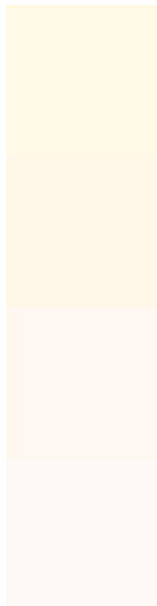
### Deuteranopia

94.4353, 0.3185, 0.3300

## Tritanopia

94.8124, 0.3124, 0.3213

# Trichromacy



## Original Color

94.6685, 0.3286, 0.3485

## Protanomaly

94.2780, 0.3263, 0.3436

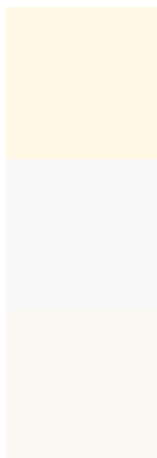
## Deuteranomaly

94.6861, 0.3220, 0.3368

## Tritanomaly

94.8595, 0.3177, 0.3309

# Monochromacy



## Original Color

94.6685, 0.3286, 0.3485

## Achromatopsia

94.7307, 0.3127, 0.3290

## Achromatomaly

94.6714, 0.3181, 0.3358

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.6685, 0.3286, 0.3485 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(255, 249, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 229)  
}
```

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(255, 249, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 94.6685, 0.3286, 0.3485 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(255, 249, 229) }
```

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

```
.border{ border-color:rgb(255, 249, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.6685, 0.3286, 0.3485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 229) }
```

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

```
.background{ background-color: rgb(255,  
249, 229) }
```

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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