

# Converting Colors

$Y_{xy}(100.0000, 0.3536, 0.3551)$

Have a look what the booklet for  
Yxy(100.0000, 0.3536, 0.3551)  
contains.

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# Color

**Yxy(94.1787, 0.3341, 0.3575)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF9DC
RGB	255, 249, 220
RGB Percent	100%, 98%, 86%
CMY	0.0003, 0.0234, 0.1373
CMYK	0.00, 0.02, 0.14, 0.00
HSL	50°, 100%, 93%
HSV	50°, 14%, 100%
XYZ	88.0143, 94.1787, 81.2439
YIQ	247.4880, 12.8850, -7.7470

# Conversions

## Conversions Part 2

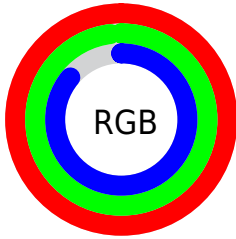
Format	Color
R <sub>Y</sub> B	227, 255, 220
Decimal	16775644
CIE Lab	97.70, -2.75, 14.64
CIE LCh	98, 14.897, 100.648
Yxy	94.1787, 0.3341, 0.3575
Android (android.graphics.Color)	4294965724 (0xFFFFF9DC)
YUV	247.4880, -13.5516, 6.5880
Hunter-Lab	97.0457, -7.9419, 18.2961

# Details

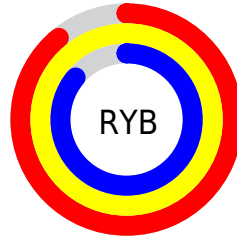
The Yxy color **94.1787, 0.3341, 0.3575** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **76.7673, 0.2908, 0.2988**, and the grayscale version is **93.5298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.8623, 0.3384, 0.3640** is the 20% darker color. If you saturate the color by 10%, you get **90.3004, 0.3508, 0.3790**, and if you desaturate by 10%, it is **98.3323, 0.3183, 0.3365**.

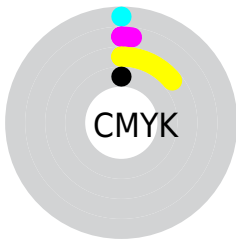
# Distribution



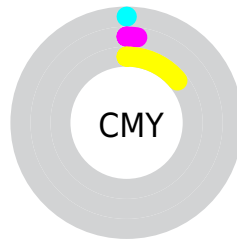
- Red (100%)
- Green (98%)
- Blue (86%)



- Red (89%)
- Yellow (100%)
- Blue (86%)



- Cyan (0%)
- Magenta (2%)
- Yellow (14%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.1787, 0.3341, 0.3575 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 94.1787, 0.3341, 0.3575 by changing the saturation by 10% instead.




 94.1787, 0.3341,  
0.3575

 94.1787, 0.3341,  
0.3575


541.5323, 0.3247,  
0.3448

 71.4516, 0.3361,  
0.3603


153.1295, 0.3309,  
0.3532

 52.7108, 0.3386,  
0.3636


190.1219, 0.3297,  
0.3515

 37.5720, 0.3416,  
0.3678


232.6382, 0.3286,  
0.3500

 25.6506, 0.3455,  
0.3731

281.0629, 0.3276,  
0.3487

 16.5625, 0.3505,  
0.3801

335.7802, 0.3268,  
0.3476

 9.9230, 0.3573,  
0.3896

397.1746, 0.3260,

 5.3480, 0.3669,

0.3466

0.4034

465.6305, 0.3253,  
0.3457

■ 2.4528, 0.3814,  
0.4249

■ 0.8529, 0.4657,  
0.5343

■ 94.1787, 0.3341,  
0.3575

■ 94.1787, 0.3341,  
0.3575

■ 90.3004, 0.3508,  
0.3790

■ 98.3323, 0.3183,  
0.3365

■ 86.6753, 0.3681,  
0.4005

99.9871, 0.3127,  
0.3290

■ 83.2971, 0.3855,  
0.4211

■ 80.1546, 0.4022,  
0.4399

■ 77.2352, 0.4177,  
0.4558

■ 74.5250, 0.4311,  
0.4679

■ 72.0080, 0.4419,  
0.4755

■ 69.6646, 0.4497,  
0.4783

■ 68.2610, 0.4534,  
0.4782

# Harmonies

## Analogous

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



94.1787, 0.3436, 0.3508



94.1787, 0.3341, 0.3575



94.1787, 0.3190, 0.3563

# Triad

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



94.1787, 0.3341, 0.3575



94.1787, 0.2818, 0.3180



94.1787, 0.3225, 0.3117

# Complementary

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



94.1787, 0.3341, 0.3575



76.7673, 0.2908, 0.2988

# Split Complementary

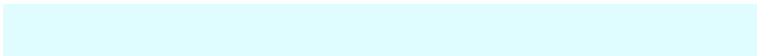
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.1787, 0.3058, 0.3034



94.1787, 0.3341, 0.3575



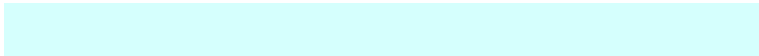
94.1787, 0.2826, 0.3065

# Square

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



94.1787, 0.3341, 0.3575



94.1787, 0.2890, 0.3330



94.1787, 0.2913, 0.3014



94.1787, 0.3369, 0.3245

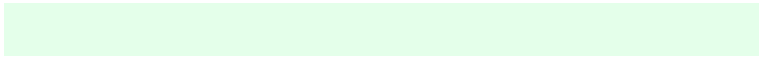


# Rectangle

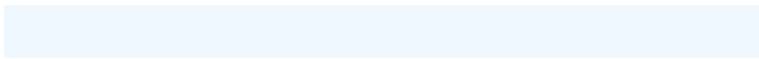
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.1787, 0.3341, 0.3575



94.1787, 0.3078, 0.3511



94.1787, 0.2913, 0.3014



94.1787, 0.3170, 0.3083

# Sweetspot

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



94.1829, 0.3341, 0.3575



98.2656, 0.3187, 0.3371



77.9432, 0.3336, 0.3227



20.9641, 0.3199, 0.3387



0.0000, 0.0000, 0.0000

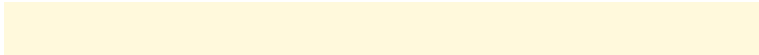


21.4041, 0.3127, 0.3290

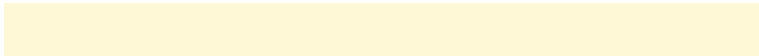


# Same Dimension

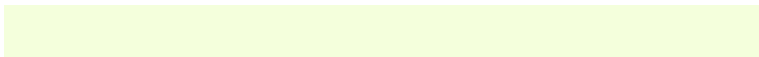
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.1829, 0.3341, 0.3575



93.3251, 0.3379, 0.3624



95.8531, 0.3261, 0.3638



20.5374, 0.3273, 0.3486



35.8820, 0.4527, 0.4787



3.6258, 0.4483, 0.4823



# Inverse Universe

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



76.7673, 0.2908, 0.2988



73.3090, 0.2869, 0.2932



75.3973, 0.2980, 0.2933



17.8736, 0.2979, 0.3086



4.8228, 0.1541, 0.0746

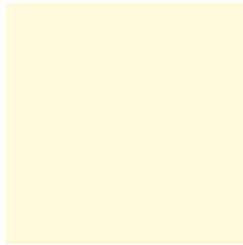


0.6015, 0.1590, 0.0924



# Previews

## White Background



This preview shows how the Yxy color 94.1787, 0.3341, 0.3575 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

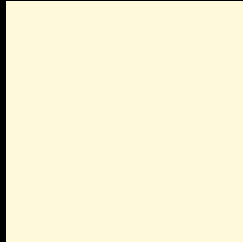
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.1787, 0.3341, 0.3575 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

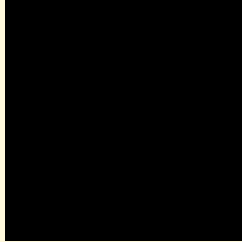
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.1787, 0.3341, 0.3575**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.1787, 0.3341, 0.3575.

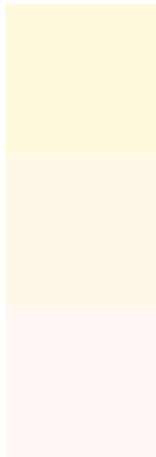


This preview shows how white text looks on a background with the Yxy color 94.1787, 0.3341, 0.3575.

# 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

94.1787, 0.3341, 0.3575

### Protanopia

94.2210, 0.3269, 0.3446

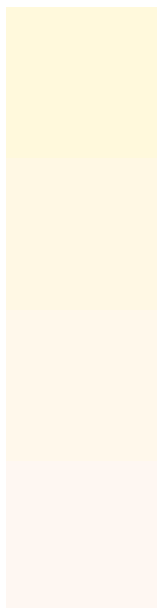
### Deuteranopia

94.3132, 0.3197, 0.3319

## Tritanopia

94.2024, 0.3125, 0.3204

# Trichromacy



## Original Color

94.1787, 0.3341, 0.3575

## Protanomaly

93.9962, 0.3293, 0.3486

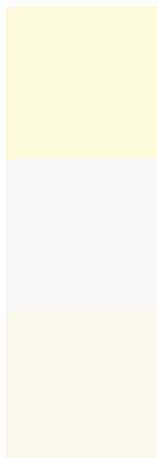
## Deuteranomaly

94.3930, 0.3250, 0.3417

## Tritanomaly

94.0032, 0.3202, 0.3339

# Monochromacy



## Original Color

94.1787, 0.3341, 0.3575

## Achromatopsia

93.0111, 0.3127, 0.3290

## Achromatomaly

93.5732, 0.3206, 0.3398

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.1787, 0.3341, 0.3575 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 94.1787, 0.3341, 0.3575 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, 220) }
```

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

```
.border{ border-color:rgb(255, 249, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.1787, 0.3341, 0.3575 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, 220) }
```

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

```
.background{ background-color: rgb(255,  
249, 220) }
```

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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