

# Converting Colors

$Y_{xy}(94.7055, 0.3308, 0.3507)$

Have a look what the booklet for  
Yxy(94.7055, 0.3308, 0.3507)  
contains.

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# Color

**Yxy(94.5574, 0.3298, 0.3505)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF9E3
RGB	255, 249, 227
RGB Percent	100%, 98%, 89%
CMY	0.0001, 0.0235, 0.1097
CMYK	0.00, 0.02, 0.11, 0.00
HSL	47°, 100%, 95%
HSV	47°, 11%, 100%
XYZ	88.9730, 94.5574, 86.2482
YIQ	248.2860, 10.6380, -5.5700

# Conversions

## Conversions Part 2

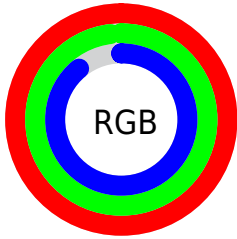
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 255, 227
Decimal	16775651
CIE Lab	97.86, -1.65, 11.25
CIE LCh	98, 11.372, 98.320
Yxy	94.5574, 0.3298, 0.3505
Android (android.graphics.Color)	4294965731 (0xFFFFF9E3)
YUV	248.2860, -10.4940, 5.8882
Hunter-Lab	97.2406, -6.8476, 15.4808

# Details

The Yxy color 94.5574, 0.3298, 0.3505 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 81.8125, 0.2955, 0.3065, and the grayscale version is 94.1964, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.1243, 0.3329, 0.3551 is the 20% darker color. If you saturate the color by 10%, you get 89.9485, 0.3466, 0.3709, and if you desaturate by 10%, it is 99.4801, 0.3142, 0.3308.

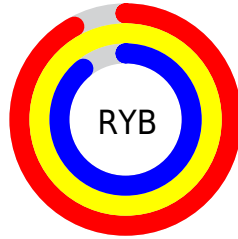
# Distribution



Red (100%)

Green (98%)

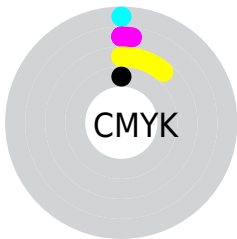
Blue (89%)



Red (92%)

Yellow (100%)

Blue (89%)

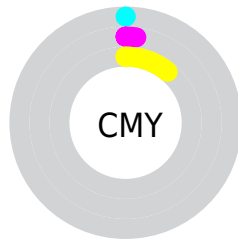


Cyan (0%)

Magenta (2%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.5574, 0.3298, 0.3505 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 94.5574, 0.3298, 0.3505 by changing the saturation by 10% instead.




 94.5574, 0.3298,  
0.3505

 94.5574, 0.3298,  
0.3505

542.7471, 0.3223,  
0.3410

 71.7667, 0.3314,  
0.3526


153.6530, 0.3273,  
0.3473

 52.9681, 0.3334,  
0.3551


190.7266, 0.3262,  
0.3460

 37.7773, 0.3359,  
0.3582


233.3300, 0.3254,  
0.3449

 25.8099, 0.3390,  
0.3622

281.8476, 0.3246,  
0.3439

 16.6815, 0.3430,  
0.3674

336.6636, 0.3239,  
0.3431

 10.0076, 0.3485,  
0.3746

398.1627, 0.3233,

 5.4040, 0.3565,

0.3423

0.3850

466.7290, 0.3228,  
0.3416

■ 2.4862, 0.3687,  
0.4014

■ 0.8697, 0.4330,  
0.4788

■ 94.5574, 0.3298,  
0.3505

■ 94.5574, 0.3298,  
0.3505

■ 89.9485, 0.3466,  
0.3709

99.4801, 0.3142,  
0.3308

■ 85.6309, 0.3643,  
0.3915

99.9934, 0.3127,  
0.3290

■ 81.5982, 0.3825,  
0.4116

■ 77.8389, 0.4006,  
0.4302

■ 74.3406, 0.4178,  
0.4463

■ 71.0892, 0.4334,  
0.4590

■ 68.0689, 0.4466,  
0.4672

■ 65.2610, 0.4568,  
0.4706

■ 62.8791, 0.4637,  
0.4700

# Harmonies

## Analogous

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



94.5574, 0.3365, 0.3451



94.5574, 0.3298, 0.3505



94.5574, 0.3185, 0.3500

# Triad

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



94.5574, 0.3298, 0.3505



94.5574, 0.2893, 0.3215



94.5574, 0.3193, 0.3151

# Complementary

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



94.5574, 0.3298, 0.3505



81.8125, 0.2955, 0.3065

# Split Complementary

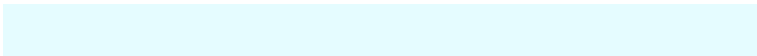
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.5574, 0.3065, 0.3090



94.5574, 0.3298, 0.3505



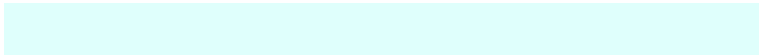
94.5574, 0.2894, 0.3124

# Square

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



94.5574, 0.3298, 0.3505



94.5574, 0.2952, 0.3330



94.5574, 0.2957, 0.3080

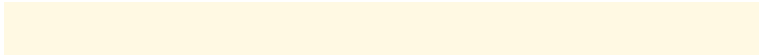


94.5574, 0.3304, 0.3248

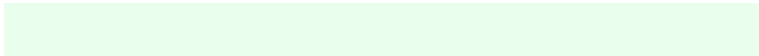


# Rectangle

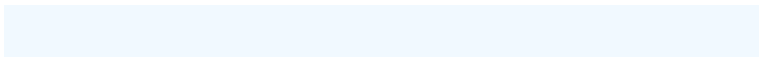
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.5574, 0.3298, 0.3505



94.5574, 0.3100, 0.3463



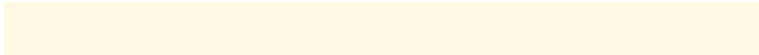
94.5574, 0.2957, 0.3080



94.5574, 0.3150, 0.3126

# Sweetspot

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



94.5616, 0.3298, 0.3505



98.4823, 0.3172, 0.3348



82.0900, 0.3283, 0.3231



20.9935, 0.3185, 0.3363



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.



94.5616, 0.3298, 0.3505



93.6253, 0.3331, 0.3546



96.8276, 0.3240, 0.3566



20.3956, 0.3274, 0.3476



33.0920, 0.4628, 0.4707



3.3781, 0.4569, 0.4754



# Inverse Universe

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



81.8125, 0.2955, 0.3065



78.7134, 0.2921, 0.3020



79.8185, 0.3006, 0.3008



18.0044, 0.2979, 0.3097



5.3390, 0.1560, 0.0815

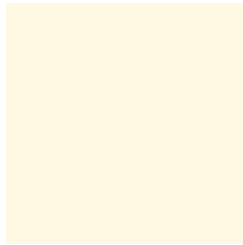


0.6700, 0.1614, 0.1011



# Previews

## White Background



This preview shows how the Yxy color 94.5574, 0.3298, 0.3505 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

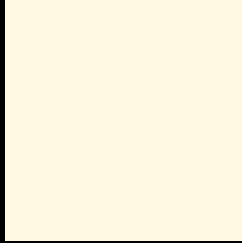
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.5574, 0.3298, 0.3505 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

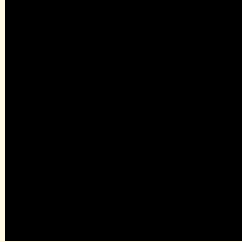
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.5574, 0.3298, 0.3505**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.5574, 0.3298, 0.3505.

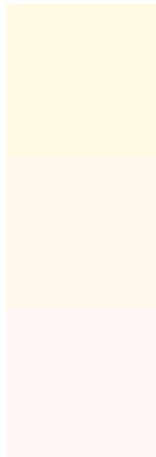


This preview shows how white text looks on a background with the Yxy color 94.5574, 0.3298, 0.3505.

# 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

94.5574, 0.3298, 0.3505

### Protanopia

94.3930, 0.3250, 0.3417

### Deuteranopia

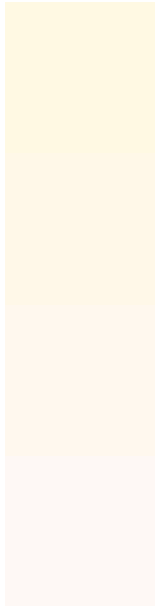
94.3741, 0.3191, 0.3309



## Tritanopia

94.8124, 0.3124, 0.3213

# Trichromacy



## Original Color

94.5574, 0.3298, 0.3505

## Protanomaly

94.2210, 0.3269, 0.3446

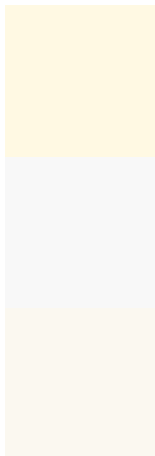
## Deuteranomaly

94.5678, 0.3232, 0.3387

## Tritanomaly

94.7982, 0.3183, 0.3319

# Monochromacy



## Original Color

94.5574, 0.3298, 0.3505

## Achromatopsia

93.8686, 0.3127, 0.3290

## Achromatomaly

93.9353, 0.3194, 0.3368

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.5574, 0.3298, 0.3505 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 94.5574, 0.3298, 0.3505 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, 227) }
```

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

```
.border{ border-color:rgb(255, 249, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.5574, 0.3298, 0.3505 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, 227) }
```

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

```
.background{ background-color: rgb(255,  
249, 227) }
```

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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