

# Converting Colors

$Y_{xy}(103.7327, 0.3643, 0.3530)$

Have a look what the booklet for  
Yxy(103.7327, 0.3643, 0.3530)  
contains.

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# Color

**Yxy(94.2318, 0.3335, 0.3565)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF9DD
RGB	255, 249, 221
RGB Percent	100%, 98%, 87%
CMY	0.0002, 0.0234, 0.1334
CMYK	0.00, 0.02, 0.13, 0.00
HSL	50°, 100%, 93%
HSV	50°, 13%, 100%
XYZ	88.1523, 94.2318, 81.9407
YIQ	247.6020, 12.5640, -7.4360

# Conversions

## Conversions Part 2

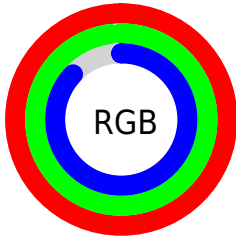
Format	Color
R <sub>Y</sub> B	228, 255, 221
Decimal	16775645
CIE Lab	97.73, -2.59, 14.16
CIE LCh	98, 14.395, 100.365
Yxy	94.2318, 0.3335, 0.3565
Android (android.graphics.Color)	4294965725 (0xFFFFF9DD)
YUV	247.6020, -13.1148, 6.4880
Hunter-Lab	97.0731, -7.7815, 17.9036

# Details

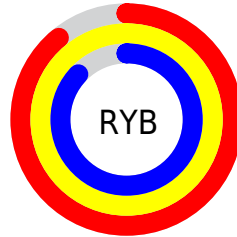
The Yxy color **94.2318, 0.3335, 0.3565** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **77.4822, 0.2915, 0.2999**, and the grayscale version is **93.6260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.8989, 0.3377, 0.3627** is the 20% darker color. If you saturate the color by 10%, you get **90.2586, 0.3502, 0.3779**, and if you desaturate by 10%, it is **98.4849, 0.3177, 0.3357**.

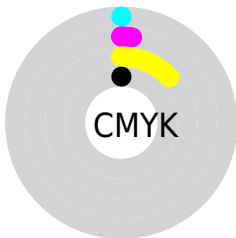
# Distribution



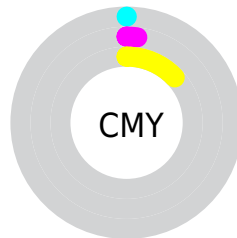
- Red (100%)
- Green (98%)
- Blue (87%)



- Red (89%)
- Yellow (100%)
- Blue (87%)



- Cyan (0%)
- Magenta (2%)
- Yellow (13%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.2318, 0.3335, 0.3565 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 94.2318, 0.3335, 0.3565 by changing the saturation by 10% instead.



 94.2318, 0.3335,  
0.3565

 94.2318, 0.3335,  
0.3565

541.7027, 0.3244,  
0.3443

 71.4958, 0.3355,  
0.3592

153.2029, 0.3304,  
0.3524

 52.7469, 0.3379,  
0.3624


190.2067, 0.3292,  
0.3507

 37.6007, 0.3408,  
0.3664


232.7353, 0.3281,  
0.3493

 25.6730, 0.3446,  
0.3716

281.1730, 0.3272,  
0.3481

 16.5791, 0.3495,  
0.3783

335.9041, 0.3264,  
0.3470

 9.9349, 0.3561,  
0.3875

397.3132, 0.3256,

 5.3558, 0.3654,

0.3460

0.4008

465.7846, 0.3250,  
0.3451

■ 2.4575, 0.3797,  
0.4216

■ 0.8552, 0.4671,  
0.5329

■ 94.2318, 0.3335,  
0.3565

■ 94.2318, 0.3335,  
0.3565

■ 90.2586, 0.3502,  
0.3779

■ 98.4849, 0.3177,  
0.3357

■ 86.5431, 0.3676,  
0.3993

99.9910, 0.3127,  
0.3290

■ 83.0790, 0.3851,  
0.4198

■ 79.8551, 0.4020,  
0.4386

■ 76.8588, 0.4177,  
0.4546

■ 74.0763, 0.4314,  
0.4667

■ 71.4915, 0.4425,  
0.4744

■ 69.0850, 0.4506,  
0.4773

■ 67.5585, 0.4547,  
0.4772

# Harmonies

## Analogous

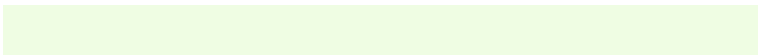
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.2318, 0.3426, 0.3500



94.2318, 0.3335, 0.3565



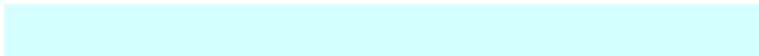
94.2318, 0.3189, 0.3554

# Triad

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



94.2318, 0.3335, 0.3565



94.2318, 0.2829, 0.3185



94.2318, 0.3221, 0.3122

# Complementary

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



94.2318, 0.3335, 0.3565



77.4822, 0.2915, 0.2999

# Split Complementary

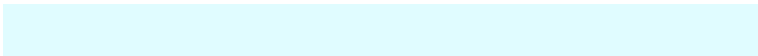
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.2318, 0.3059, 0.3042



94.2318, 0.3335, 0.3565



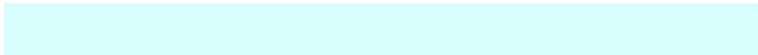
94.2318, 0.2836, 0.3074

# Square

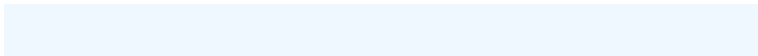
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



94.2318, 0.3335, 0.3565



94.2318, 0.2899, 0.3330



94.2318, 0.2919, 0.3023



94.2318, 0.3360, 0.3245

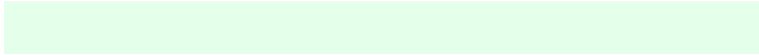


# Rectangle

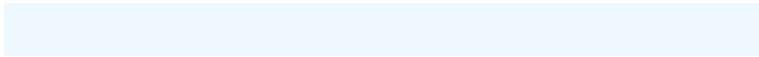
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.2318, 0.3335, 0.3565



94.2318, 0.3082, 0.3504



94.2318, 0.2919, 0.3023



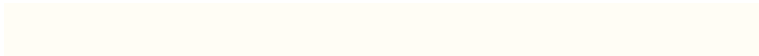
94.2318, 0.3167, 0.3089

# Sweetspot

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



94.2360, 0.3335, 0.3565



98.2292, 0.3187, 0.3371



78.5166, 0.3329, 0.3228



20.9549, 0.3199, 0.3386



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.



94.2360, 0.3335, 0.3565



93.1836, 0.3379, 0.3622



95.9781, 0.3257, 0.3628



20.5192, 0.3273, 0.3485



35.5129, 0.4540, 0.4777



3.5932, 0.4494, 0.4814



# Inverse Universe

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



77.4822, 0.2915, 0.2999



73.4306, 0.2869, 0.2935



76.0377, 0.2984, 0.2944



17.8904, 0.2979, 0.3088



4.8824, 0.1543, 0.0754

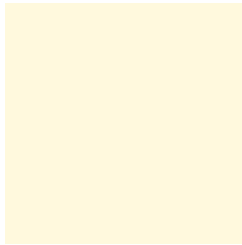


0.6097, 0.1593, 0.0934



# Previews

## White Background



This preview shows how the Yxy color 94.2318, 0.3335, 0.3565 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

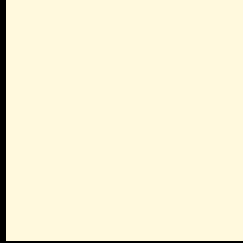
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.2318, 0.3335, 0.3565 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

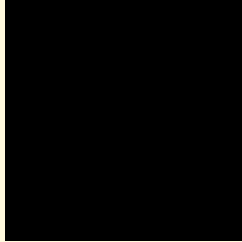
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.2318, 0.3335, 0.3565**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.2318, 0.3335, 0.3565.

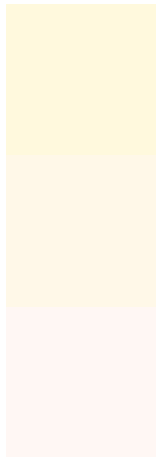


This preview shows how white text looks on a background with the Yxy color 94.2318, 0.3335, 0.3565.

# 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

94.2318, 0.3335, 0.3565

### Protanopia

94.2210, 0.3269, 0.3446

### Deuteranopia

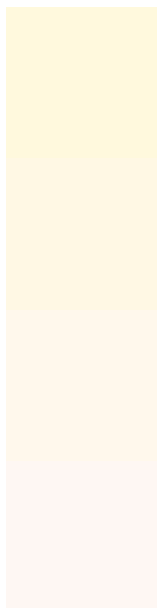
94.3132, 0.3197, 0.3319



## Tritanopia

94.2024, 0.3125, 0.3204

# Trichromacy



## Original Color

94.2318, 0.3335, 0.3565

## Protanomaly

93.9962, 0.3293, 0.3486

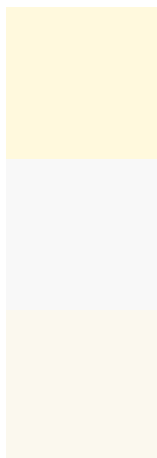
## Deuteranomaly

94.4509, 0.3244, 0.3407

## Tritanomaly

94.0634, 0.3196, 0.3329

# Monochromacy



## Original Color

94.2318, 0.3335, 0.3565

## Achromatopsia

93.8686, 0.3127, 0.3290

## Achromatomaly

93.8171, 0.3206, 0.3388

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.2318, 0.3335, 0.3565 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 94.2318, 0.3335, 0.3565 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, 221) }
```

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

```
.border{ border-color:rgb(255, 249, 221) }
```

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, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.2318, 0.3335, 0.3565 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, 221) }
```

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

```
.background{ background-color: rgb(255,  
249, 221) }
```

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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