

# Converting Colors

$Y_{xy}(100.0000, 0.3557, 0.3616)$

Have a look what the booklet for  
Yxy(100.0000, 0.3557, 0.3616)  
contains.

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# **Color**

**Yxy(94.5375, 0.3371, 0.3634)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFAD7
RGB	255, 250, 215
RGB Percent	100%, 98%, 84%
CMY	0.0000, 0.0196, 0.1569
CMYK	0.00, 0.02, 0.16, 0.00
HSL	53°, 100%, 92%
HSV	53°, 16%, 100%
XYZ	87.6956, 94.5375, 77.9141
YIQ	247.5050, 14.2150, -9.8250

# Conversions

## Conversions Part 2

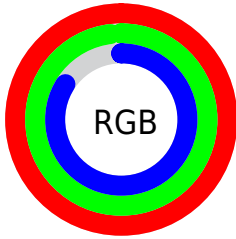
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 255, 215
Decimal	16775895
CIE Lab	97.85, -3.96, 17.40
CIE LCh	98, 17.847, 102.830
Yxy	94.5375, 0.3371, 0.3634
Android (android.graphics.Color)	4294965975 (0xFFFFFAD7)
YUV	247.5050, -16.0250, 6.5731
Hunter-Lab	97.2304, -9.1576, 20.5501

# Details

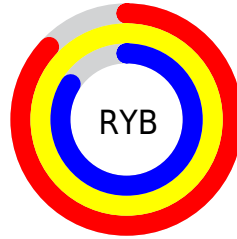
The Yxy color **94.5375, 0.3371, 0.3634** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **72.8527, 0.2873, 0.2921**, and the grayscale version is **93.5687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.1274, 0.3422, 0.3716** is the 20% darker color. If you saturate the color by 10%, you get **91.3642, 0.3535, 0.3860**, and if you desaturate by 10%, it is **97.9504, 0.3213, 0.3412**.

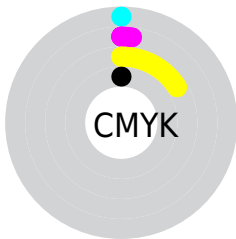
# Distribution



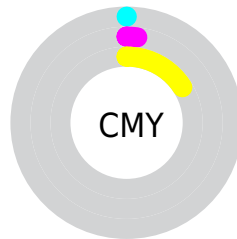
- Red (100%)
- Green (98%)
- Blue (84%)



- Red (87%)
- Yellow (100%)
- Blue (84%)



- Cyan (0%)
- Magenta (2%)
- Yellow (16%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.5375, 0.3371, 0.3634 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 94.5375, 0.3371, 0.3634 by changing the saturation by 10% instead.



 94.5375, 0.3371,  
0.3634

 94.5375, 0.3371,  
0.3634

542.6833, 0.3264,  
0.3481

 71.7501, 0.3394,  
0.3667


153.6255, 0.3335,  
0.3582

 52.9546, 0.3422,  
0.3708


190.6949, 0.3321,  
0.3562

 37.7665, 0.3456,  
0.3759


233.2937, 0.3308,  
0.3544

 25.8015, 0.3499,  
0.3823

281.8063, 0.3297,  
0.3528

 16.6752, 0.3555,  
0.3907

336.6172, 0.3288,  
0.3514

 10.0032, 0.3630,  
0.4021

398.1108, 0.3279,

 5.4011, 0.3734,

0.3502

0.4186

466.6713, 0.3271,  
0.3491

■ 2.4845, 0.3887,  
0.4442

■ 0.8688, 0.4563,  
0.5437

■ 94.5375, 0.3371,  
0.3634

■ 94.5375, 0.3371,  
0.3634

■ 91.3642, 0.3535,  
0.3860

■ 97.9504, 0.3213,  
0.3412

■ 88.4182, 0.3702,  
0.4083

100.0000, 0.3127,  
0.3290

■ 85.6901, 0.3866,  
0.4294

■ 83.1685, 0.4021,  
0.4484

■ 80.8410, 0.4158,  
0.4641

■ 78.6936, 0.4272,  
0.4759

■ 76.7098, 0.4359,  
0.4831

■ 74.8694, 0.4418,  
0.4857

■ 74.1071, 0.4437,  
0.4859

# Harmonies

## Analogous

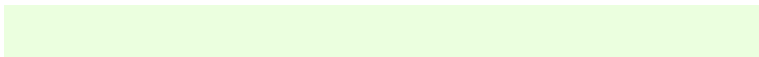
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.5375, 0.3492, 0.3558



94.5375, 0.3371, 0.3634



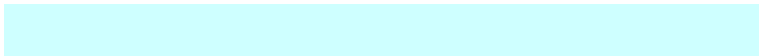
94.5375, 0.3187, 0.3614

# Triad

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



94.5375, 0.3371, 0.3634



94.5375, 0.2756, 0.3145



94.5375, 0.3258, 0.3094

# Complementary

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



94.5375, 0.3371, 0.3634



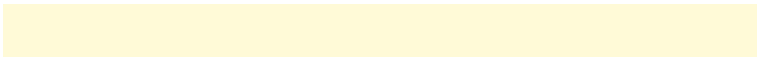
72.8527, 0.2873, 0.2921

# 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.



94.5375, 0.3058, 0.2990



94.5375, 0.3371, 0.3634



94.5375, 0.2773, 0.3014

# Square

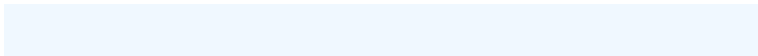
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



94.5375, 0.3371, 0.3634



94.5375, 0.2834, 0.3323



94.5375, 0.2882, 0.2960

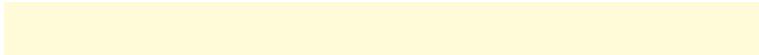


94.5375, 0.3427, 0.3247

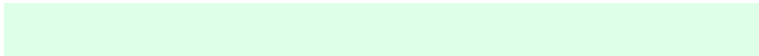


# Rectangle

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



94.5375, 0.3371, 0.3634



94.5375, 0.3054, 0.3546



94.5375, 0.2882, 0.2960



94.5375, 0.3192, 0.3053

# Sweetspot

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



94.5384, 0.3371, 0.3634



98.1935, 0.3202, 0.3397



75.0458, 0.3386, 0.3237



20.9642, 0.3213, 0.3413



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

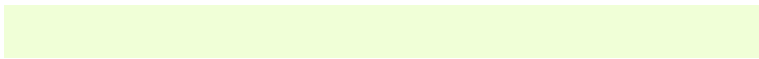
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.5384, 0.3371, 0.3634



93.4607, 0.3425, 0.3709



95.0099, 0.3268, 0.3693



20.6804, 0.3272, 0.3496



38.8749, 0.4432, 0.4863



3.8890, 0.4401, 0.4888



# Inverse Universe

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



72.8527, 0.2873, 0.2921



67.8104, 0.2814, 0.2834



72.5887, 0.2970, 0.2879



17.7434, 0.2979, 0.3075



4.4217, 0.1526, 0.0691

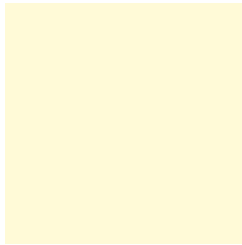


0.5403, 0.1568, 0.0843



# Previews

## White Background



This preview shows how the Yxy color 94.5375, 0.3371, 0.3634 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

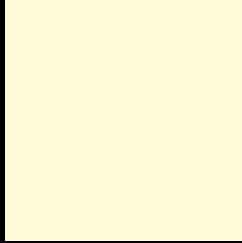
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.5375, 0.3371, 0.3634 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

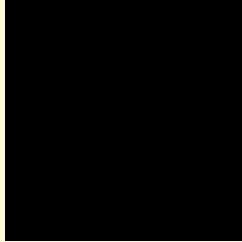
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.5375, 0.3371, 0.3634**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.5375, 0.3371, 0.3634.

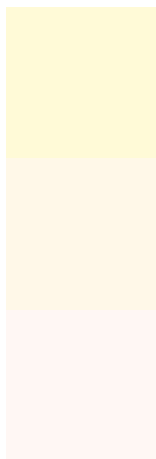


This preview shows how white text looks on a background with the Yxy color 94.5375, 0.3371, 0.3634.

# 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

94.5375, 0.3371, 0.3634

### Protanopia

94.2210, 0.3269, 0.3446

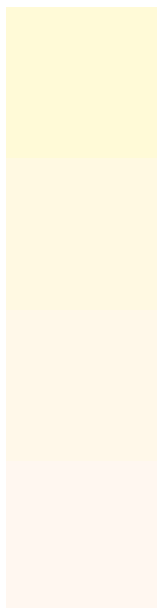
### Deuteranopia

94.3132, 0.3197, 0.3319

## Tritanopia

94.3915, 0.3131, 0.3204

# Trichromacy



## Original Color

94.5375, 0.3371, 0.3634

## Protanomaly

94.5024, 0.3304, 0.3515

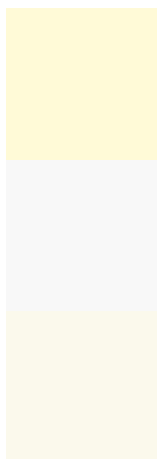
## Deuteranomaly

94.2780, 0.3263, 0.3436

## Tritanomaly

94.0728, 0.3221, 0.3358

# Monochromacy



## Original Color

94.5375, 0.3371, 0.3634

## Achromatopsia

93.8686, 0.3127, 0.3290

## Achromatomaly

94.3167, 0.3217, 0.3417

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.5375, 0.3371, 0.3634 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, 250, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 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(255, 250, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 94.5375, 0.3371, 0.3634 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, 250, 215) }
```

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

```
.border{ border-color:rgb(255, 250, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 250, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.5375, 0.3371, 0.3634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 215) }
```

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

```
.background{ background-color: rgb(255,  
250, 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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