

# Converting Colors

$Y_{xy}(100.0752, 0.3464, 0.3545)$

Have a look what the booklet for  
Yxy(100.0752, 0.3464, 0.3545)  
contains.

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# **Color**

**Yxy(95.6362, 0.3314, 0.3554)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFFBE0
RGB	255, 251, 224
RGB Percent	100%, 98%, 88%
CMY	0.0002, 0.0156, 0.1216
CMYK	0.00, 0.02, 0.12, 0.00
HSL	52°, 100%, 94%
HSV	52°, 12%, 100%
XYZ	89.1779, 95.6362, 84.2804
YIQ	249.1180, 11.0510, -7.5490

# Conversions

## Conversions Part 2

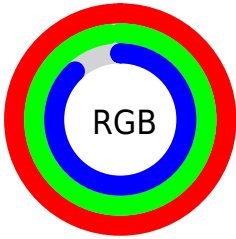
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 255, 224
Decimal	16776160
CIE Lab	98.29, -3.13, 13.41
CIE LCh	98, 13.774, 103.132
Yxy	95.6362, 0.3314, 0.3554
Android (android.graphics.Color)	4294966240 (0xFFFFFBE0)
YUV	249.1180, -12.3832, 5.1585
Hunter-Lab	97.7938, -8.3653, 17.3585

# Details

The Yxy color 95.6362, 0.3314, 0.3554 is a light color, and the websafe version is hex FFFFCC. A complement of this color would be 78.5131, 0.2935, 0.3012, and the grayscale version is 94.9279, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.9006, 0.3349, 0.3613 is the 20% darker color. If you saturate the color by 10%, you get 92.3540, 0.3477, 0.3779, and if you desaturate by 10%, it is 99.1688, 0.3159, 0.3336.

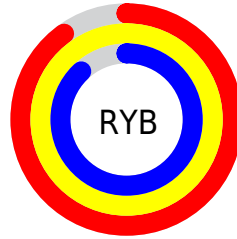
# Distribution



Red (100%)

Green (98%)

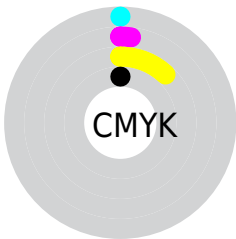
Blue (88%)



Red (90%)

Yellow (100%)

Blue (88%)

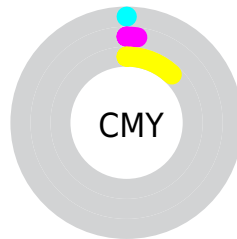


Cyan (0%)

Magenta (2%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.6362, 0.3314, 0.3554 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 95.6362, 0.3314, 0.3554 by changing the saturation by 10% instead.




 95.6362, 0.3314,  
0.3554

 95.6362, 0.3314,  
0.3554


546.1997, 0.3232,  
0.3437

 72.6646, 0.3332,  
0.3580


155.1432, 0.3286,  
0.3514

 53.7018, 0.3353,  
0.3611


192.4475, 0.3275,  
0.3499

 38.3633, 0.3379,  
0.3649


235.2980, 0.3266,  
0.3485

 26.2648, 0.3413,  
0.3698

284.0793, 0.3258,  
0.3473

 17.0218, 0.3456,  
0.3762

339.1758, 0.3250,  
0.3463

 10.2500, 0.3514,  
0.3850

400.9717, 0.3243,

 5.5651, 0.3597,

0.3453

0.3977

469.8515, 0.3237,  
0.3445

■ 2.5825, 0.3723,  
0.4176

■ 0.9179, 0.4483,  
0.5172

■ 95.6362, 0.3314,  
0.3554

■ 95.6362, 0.3314,  
0.3554

■ 92.3540, 0.3477,  
0.3779

■ 99.1688, 0.3159,  
0.3336

■ 89.3002, 0.3644,  
0.4003

99.9906, 0.3127,  
0.3290

■ 86.4690, 0.3810,  
0.4219

■ 83.8493, 0.3969,  
0.4417

■ 81.4294, 0.4114,  
0.4587

■ 79.1956, 0.4237,  
0.4719

■ 77.1326, 0.4335,  
0.4808

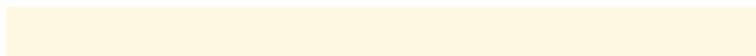
■ 75.2217, 0.4404,  
0.4849

■ 73.8046, 0.4441,  
0.4856

# Harmonies

## Analogous

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



95.6362, 0.3407, 0.3498



95.6362, 0.3314, 0.3554



95.6362, 0.3172, 0.3537

# Triad

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



95.6362, 0.3314, 0.3554



95.6362, 0.2840, 0.3179



95.6362, 0.3230, 0.3139

# Complementary

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



95.6362, 0.3314, 0.3554



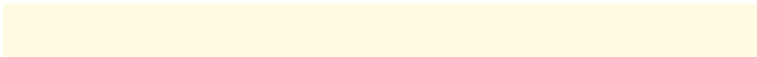
78.5131, 0.2935, 0.3012

# Split Complementary

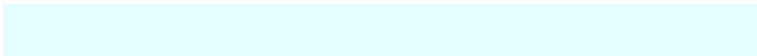
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.6362, 0.3076, 0.3058



95.6362, 0.3314, 0.3554



95.6362, 0.2854, 0.3077

# Square

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



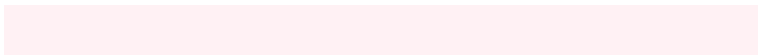
95.6362, 0.3314, 0.3554



95.6362, 0.2900, 0.3315



95.6362, 0.2940, 0.3035



95.6362, 0.3358, 0.3259

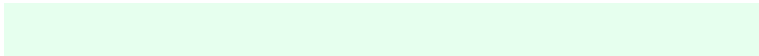


# Rectangle

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



95.6362, 0.3314, 0.3554



95.6362, 0.3070, 0.3484



95.6362, 0.2940, 0.3035



95.6362, 0.3179, 0.3107

# Sweetspot

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



95.6404, 0.3314, 0.3554



98.5370, 0.3187, 0.3375



80.1715, 0.3320, 0.3249



21.0330, 0.3199, 0.3392



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.



95.6404, 0.3314, 0.3554



94.7177, 0.3360, 0.3618



96.0324, 0.3236, 0.3598



20.6740, 0.3272, 0.3496



38.7357, 0.4436, 0.4860



3.8768, 0.4405, 0.4885



# Inverse Universe

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



78.5131, 0.2935, 0.3012



73.9668, 0.2885, 0.2939



78.2509, 0.3009, 0.2977



17.7492, 0.2979, 0.3076



4.4374, 0.1526, 0.0694

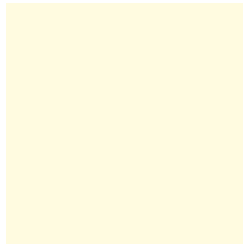


0.5430, 0.1569, 0.0847



# Previews

## White Background



This preview shows how the Yxy color 95.6362, 0.3314, 0.3554 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

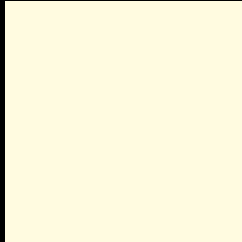
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.6362, 0.3314, 0.3554 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

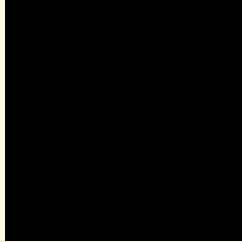
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 95.6362, 0.3314, 0.3554**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.6362, 0.3314, 0.3554.

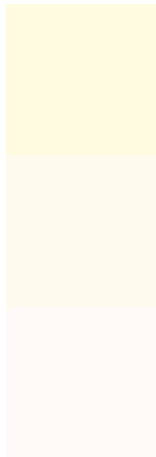


This preview shows how white text looks on a background with the Yxy color 95.6362, 0.3314, 0.3554.

# 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

95.6362, 0.3314, 0.3554

### Protanopia

95.8043, 0.3230, 0.3406

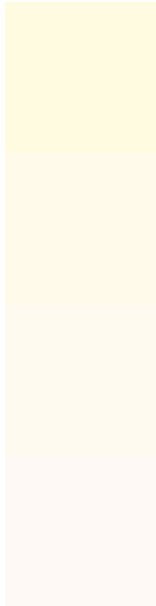
### Deuteranopia

95.7268, 0.3177, 0.3309

## Tritanopia

95.4256, 0.3124, 0.3223

# Trichromacy



## Original Color

95.6362, 0.3314, 0.3554

## Protanomaly

95.5144, 0.3261, 0.3455

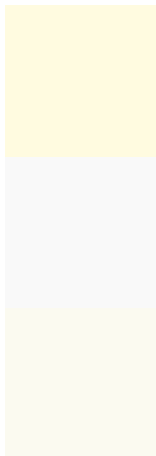
## Deuteranomaly

95.8632, 0.3224, 0.3397

## Tritanomaly

95.3538, 0.3189, 0.3338

# Monochromacy



## Original Color

95.6362, 0.3314, 0.3554

## Achromatopsia

94.7307, 0.3127, 0.3290

## Achromatomaly

95.1717, 0.3193, 0.3388

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.6362, 0.3314, 0.3554 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, 251, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 224)  
}
```

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, 251, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 95.6362, 0.3314, 0.3554 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, 251, 224) }
```

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

```
.border{ border-color:rgb(255, 251, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.6362, 0.3314, 0.3554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 224) }
```

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

```
.background{ background-color: rgb(255,  
251, 224) }
```

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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