

# Converting Colors

$Y_{xy}(100.0000, 0.3397, 0.3397)$

Have a look what the booklet for  
Yxy(100.0000, 0.3397, 0.3397)  
contains.

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# Color

**Yxy(95.1258, 0.3237, 0.3407)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF9ED
RGB	255, 249, 237
RGB Percent	100%, 98%, 93%
CMY	0.0003, 0.0234, 0.0707
CMYK	0.00, 0.02, 0.07, 0.00
HSL	40°, 99%, 96%
HSV	40°, 7%, 100%
XYZ	90.3793, 95.1258, 93.7018
YIQ	249.4260, 7.4280, -2.4600

# Conversions

## Conversions Part 2

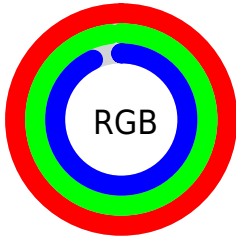
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 255, 237
Decimal	16775661
CIE Lab	98.08, -0.06, 6.46
CIE LCh	98, 6.461, 90.562
Yxy	95.1258, 0.3237, 0.3407
Android (android.graphics.Color)	4294965741 (0xFFFFF9ED)
YUV	249.4260, -6.1260, 4.8884
Hunter-Lab	97.5325, -5.2733, 11.3113

# Details

The Yxy color 95.1258, 0.3237, 0.3407 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.2446, 0.3018, 0.3170, and the grayscale version is 95.1412, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.4819, 0.3259, 0.3438 is the 20% darker color. If you saturate the color by 10%, you get 88.6799, 0.3407, 0.3580, and if you desaturate by 10%, it is 99.9864, 0.3127, 0.3290.

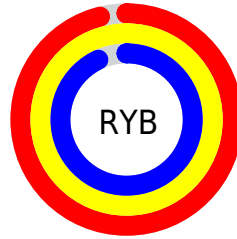
# Distribution



Red (100%)

Green (98%)

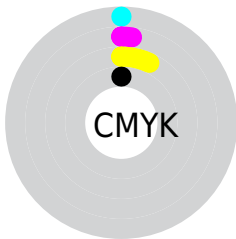
Blue (93%)



Red (96%)

Yellow (100%)

Blue (93%)

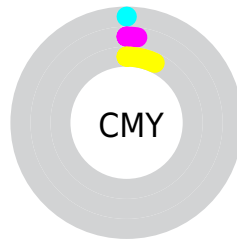


Cyan (0%)

Magenta (2%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.1258, 0.3237, 0.3407 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 95.1258, 0.3237, 0.3407 by changing the saturation by 10% instead.




 95.1258, 0.3237,  
0.3407

 95.1258, 0.3237,  
0.3407


544.5676, 0.3189,  
0.3355

 72.2397, 0.3248,  
0.3418


154.4384, 0.3221,  
0.3390

 53.3545, 0.3260,  
0.3432


191.6337, 0.3214,  
0.3383

 38.0858, 0.3276,  
0.3449


234.3674, 0.3208,  
0.3377

 26.0493, 0.3296,  
0.3470

283.0241, 0.3204,  
0.3371

 16.8605, 0.3323,  
0.3498

337.9880, 0.3199,  
0.3367

 10.1351, 0.3359,  
0.3537

399.6437, 0.3195,

 5.4886, 0.3411,

0.3363

0.3592

468.3754, 0.3192,  
0.3359

■ 2.5367, 0.3494,  
0.3681

■ 0.8950, 0.3746,  
0.3948

■ 95.1258, 0.3237,  
0.3407

■ 95.1258, 0.3237,  
0.3407

■ 88.6799, 0.3407,  
0.3580

99.9864, 0.3127,  
0.3290

■ 82.6606, 0.3593,  
0.3759

■ 77.0597, 0.3792,  
0.3937

■ 71.8638, 0.4001,  
0.4107

■ 67.0584, 0.4214,  
0.4259

■ 62.6278, 0.4420,  
0.4381

■ 58.5547, 0.4609,  
0.4462

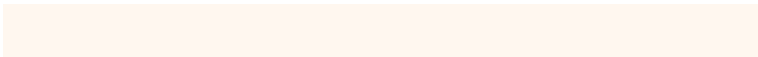
■ 54.8189, 0.4772,  
0.4494

■ 51.3959, 0.4902,  
0.4474

# Harmonies

## Analogous

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



95.1258, 0.3266, 0.3370



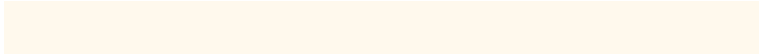
95.1258, 0.3237, 0.3407



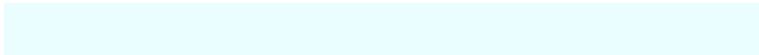
95.1258, 0.3179, 0.3412

# Triad

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



95.1258, 0.3237, 0.3407



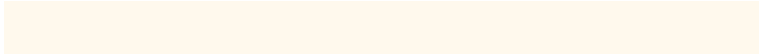
95.1258, 0.2999, 0.3265



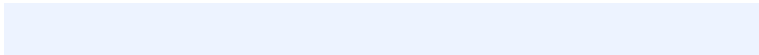
95.1258, 0.3146, 0.3199

# Complementary

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



95.1258, 0.3237, 0.3407



89.2446, 0.3018, 0.3170

# Split Complementary

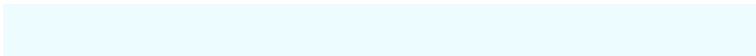
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.1258, 0.3075, 0.3171



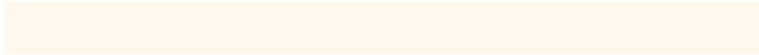
95.1258, 0.3237, 0.3407



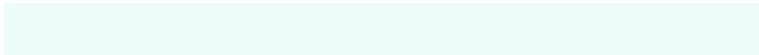
95.1258, 0.2990, 0.3208

# Square

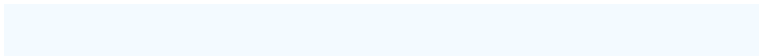
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



95.1258, 0.3237, 0.3407



95.1258, 0.3042, 0.3330



95.1258, 0.3018, 0.3174



95.1258, 0.3213, 0.3251

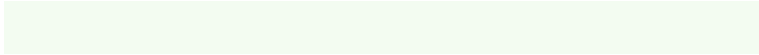


# Rectangle

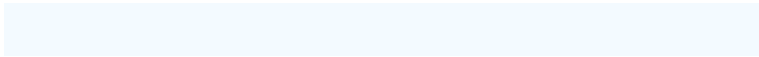
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95.1258, 0.3237, 0.3407



95.1258, 0.3131, 0.3397



95.1258, 0.3018, 0.3174



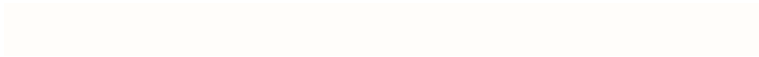
95.1258, 0.3122, 0.3187

# Sweetspot

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



95.1299, 0.3237, 0.3407



98.6113, 0.3158, 0.3323



88.2721, 0.3210, 0.3232



21.1215, 0.3156, 0.3321



0.0000, 0.0000, 0.0000

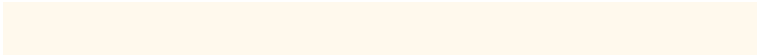


21.4041, 0.3127, 0.3290

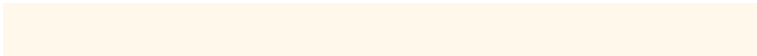


# Same Dimension

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



95.1299, 0.3237, 0.3407



94.5524, 0.3253, 0.3423



98.2711, 0.3213, 0.3464



20.0256, 0.3277, 0.3449



26.6534, 0.4922, 0.4474

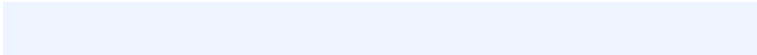


2.7950, 0.4817, 0.4557



# Inverse Universe

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



89.2446, 0.3018, 0.3170



87.9045, 0.3003, 0.3153



86.2926, 0.3038, 0.3112



18.3526, 0.2979, 0.3126



7.3103, 0.1629, 0.1063

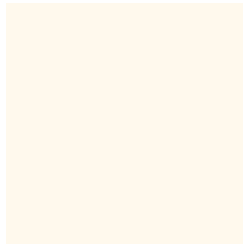


0.9017, 0.1691, 0.1286



# Previews

## White Background



This preview shows how the Yxy color 95.1258, 0.3237, 0.3407 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

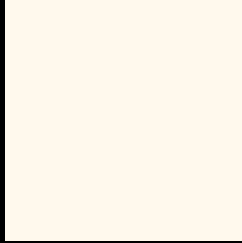
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.1258, 0.3237, 0.3407 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

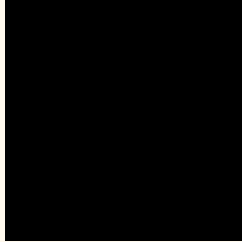
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 95.1258, 0.3237, 0.3407**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.1258, 0.3237, 0.3407.

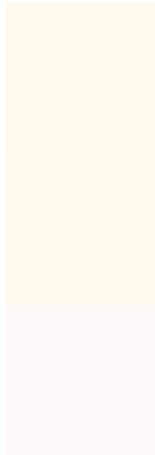


This preview shows how white text looks on a background with the Yxy color 95.1258, 0.3237, 0.3407.

# 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

95.1258, 0.3237, 0.3407

### Protanopia

95.3026, 0.3219, 0.3377

### Deuteranopia

95.1721, 0.3172, 0.3290

## Tritanopia

95.2374, 0.3118, 0.3223

# Trichromacy

A vertical color bar on the left side of the Trichromacy section, divided into four horizontal segments. The top segment is yellow, the second is light orange, the third is light pink, and the bottom is light peach. The text to the right of the bar is aligned with these segments.

**Original Color**

95.1258, 0.3237, 0.3407

**Protanomaly**

95.2434, 0.3225, 0.3387

**Deuteranomaly**

94.9265, 0.3196, 0.3329

**Tritanomaly**

94.9829, 0.3165, 0.3290

# Monochromacy

A vertical color bar on the left side of the Monochromacy section, divided into two horizontal segments. The top segment is yellow and the bottom segment is light grey. The text to the right of the bar is aligned with these segments.

**Original Color**

95.1258, 0.3237, 0.3407

**Achromatopsia**

94.7307, 0.3127, 0.3290

**Achromatomaly**

94.8532, 0.3164, 0.3329

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  95.1258, 0.3237, 0.3407 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  $rgb(255, 249, 237)$  looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 95.1258, 0.3237, 0.3407 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, 237) }
```

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

```
.border{ border-color:rgb(255, 249, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.1258, 0.3237, 0.3407 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, 237) }
```

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

```
.background{ background-color: rgb(255,  
249, 237) }
```

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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