

# Converting Colors

$Y_{xy}(100.0000, 0.3349, 0.3351)$

Have a look what the booklet for  
Yxy(100.0000, 0.3349, 0.3351)  
contains.

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# Color

**Yxy(95.4824, 0.3201, 0.3348)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF9F3
RGB	255, 249, 243
RGB Percent	100%, 98%, 95%
CMY	0.0001, 0.0235, 0.0470
CMYK	0.00, 0.02, 0.05, 0.00
HSL	30°, 100%, 98%
HSV	30°, 5%, 100%
XYZ	91.2901, 95.4824, 98.4199
YIQ	250.1100, 5.5020, -0.5940

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 255, 243
Decimal	16775667
CIE <sub>Lab</sub>	98.23, 0.97, 3.56
CIE <sub>LCh</sub>	98, 3.694, 74.793
Yxy	95.4824, 0.3201, 0.3348
Android (android.graphics.Color)	4294965747 (0xFFFFF9F3)
YUV	250.1100, -3.5052, 4.2885
Hunter-Lab	97.7151, -4.2383, 8.6829

# Details

The Yxy color 95.4824, 0.3201, 0.3348 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 94.0187, 0.3055, 0.3231, and the grayscale version is 95.7214, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.7336, 0.3213, 0.3364 is the 20% darker color. If you saturate the color by 10%, you get 86.4494, 0.3375, 0.3477, and if you desaturate by 10%, it is 99.9972, 0.3127, 0.3290.

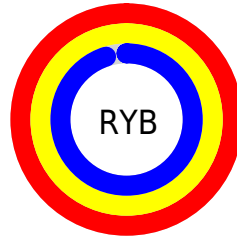
# Distribution



Red (100%)

Green (98%)

Blue (95%)



Red (100%)

Yellow (100%)

Blue (95%)



Cyan (0%)

Magenta (2%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.4824, 0.3201, 0.3348 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 95.4824, 0.3201, 0.3348 by changing the saturation by 10% instead.




 95.4824, 0.3201,  
0.3348

 95.4824, 0.3201,  
0.3348

545.7082, 0.3168,  
0.3323

 72.5365, 0.3208,  
0.3354


154.9309, 0.3190,  
0.3339

 53.5971, 0.3217,  
0.3360


192.2023, 0.3186,  
0.3336

 38.2796, 0.3227,  
0.3368


235.0177, 0.3182,  
0.3333

 26.1998, 0.3241,  
0.3379

283.7615, 0.3179,  
0.3330

 16.9732, 0.3259,  
0.3393

338.8180, 0.3176,  
0.3328

 10.2154, 0.3283,  
0.3411

400.5717, 0.3173,

 5.5420, 0.3318,

0.3326

0.3439

469.4070, 0.3171,  
0.3324

■ 2.5686, 0.3374,  
0.3481

■ 0.9109, 0.3500,  
0.3582

■ 95.4824, 0.3201,  
0.3348

■ 95.4824, 0.3201,  
0.3348

■ 86.4494, 0.3375,  
0.3477

99.9972, 0.3127,  
0.3290

■ 78.1398, 0.3573,  
0.3612

■ 70.5374, 0.3796,  
0.3749

■ 63.6210, 0.4043,  
0.3882

■ 57.3682, 0.4310,  
0.4002

■ 51.7548, 0.4588,  
0.4097

■ 46.7547, 0.4863,  
0.4154

■ 42.3390, 0.5117,  
0.4161

■ 38.4746, 0.5333,  
0.4112

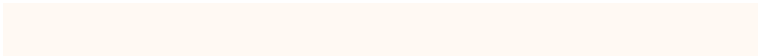
# Harmonies

## Analogous

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



95.4824, 0.3206, 0.3320



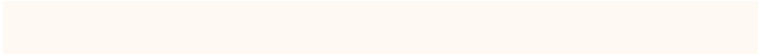
95.4824, 0.3201, 0.3348



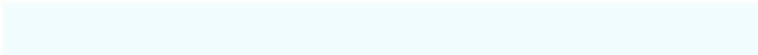
95.4824, 0.3176, 0.3361

# Triad

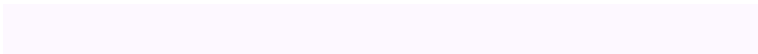
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



95.4824, 0.3201, 0.3348



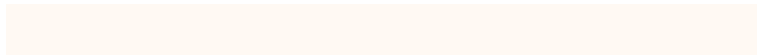
95.4824, 0.3065, 0.3295



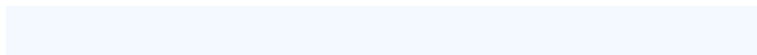
95.4824, 0.3116, 0.3227

# Complementary

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



95.4824, 0.3201, 0.3348



94.0187, 0.3055, 0.3231

# 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.



95.4824, 0.3079, 0.3221



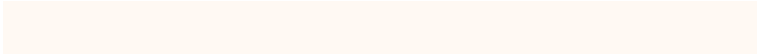
95.4824, 0.3201, 0.3348



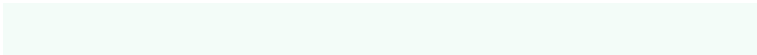
95.4824, 0.3049, 0.3260

# Square

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



95.4824, 0.3201, 0.3348



95.4824, 0.3097, 0.3330



95.4824, 0.3054, 0.3232

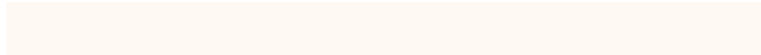


95.4824, 0.3157, 0.3251



# Rectangle

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



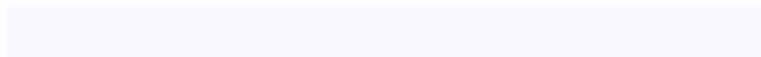
95.4824, 0.3201, 0.3348



95.4824, 0.3151, 0.3358



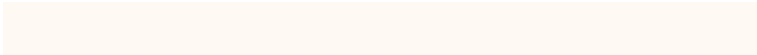
95.4824, 0.3054, 0.3232



95.4824, 0.3103, 0.3223

# Sweetspot

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



95.4865, 0.3201, 0.3348



99.0276, 0.3142, 0.3302



92.2045, 0.3169, 0.3232



21.2063, 0.3142, 0.3302



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

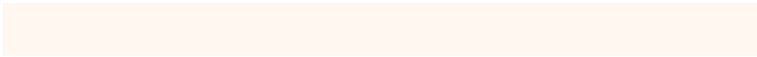


# Same Dimension

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



95.4865, 0.3201, 0.3348



94.2785, 0.3222, 0.3364



99.2396, 0.3197, 0.3405



20.0496, 0.3233, 0.3373



19.4407, 0.5408, 0.4088

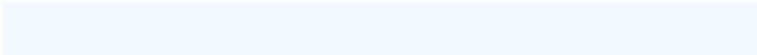


2.1113, 0.5232, 0.4228



# Inverse Universe

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



94.0187, 0.3055, 0.3231



92.4193, 0.3035, 0.3214



90.3836, 0.3056, 0.3172



19.6103, 0.3024, 0.3206



12.0358, 0.1770, 0.1570

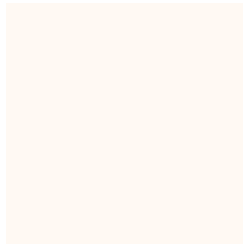


1.3902, 0.1827, 0.1776



# Previews

## White Background



This preview shows how the Yxy color 95.4824, 0.3201, 0.3348 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

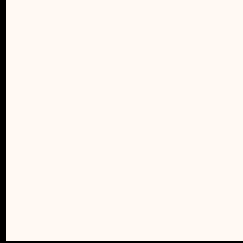
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.4824, 0.3201, 0.3348 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 95.4824, 0.3201, 0.3348**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.4824, 0.3201, 0.3348.



This preview shows how white text looks on a background with the Yxy color 95.4824, 0.3201, 0.3348.

# 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**

95.4824, 0.3201, 0.3348

**Protanopia**

95.5430, 0.3195, 0.3338

**Deuteranopia**

95.2344, 0.3166, 0.3281

## Tritanopia

95.8540, 0.3117, 0.3233

# Trichromacy

A vertical bar with a color gradient from light orange at the top to light pink at the bottom.

**Original Color**

95.4824, 0.3201, 0.3348

**Protanomaly**

95.5430, 0.3195, 0.3338

**Deuteranomaly**

95.1102, 0.3178, 0.3300

**Tritanomaly**

95.7872, 0.3147, 0.3271

# Monochromacy

A vertical bar with a color gradient from light orange at the top to light grey at the bottom.

**Original Color**

95.4824, 0.3201, 0.3348

**Achromatopsia**

95.5973, 0.3127, 0.3290

**Achromatomaly**

95.7821, 0.3157, 0.3319

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.4824, 0.3201, 0.3348 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 95.4824, 0.3201, 0.3348 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, 243) }
```

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

```
.border{ border-color:rgb(255, 249, 243) }
```

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, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.4824, 0.3201, 0.3348 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, 243) }
```

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

```
.background{ background-color: rgb(255,  
249, 243) }
```

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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