

# Converting Colors

$Yxy(96.7071, 0.3176, 0.3293)$

Have a look what the booklet for  
Yxy(96.7071, 0.3176, 0.3293)  
contains.

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# Color

**Yxy(96.4708, 0.3165, 0.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFAF9
RGB	255, 250, 249
RGB Percent	100%, 98%, 98%
CMY	0.0000, 0.0196, 0.0236
CMYK	0.00, 0.02, 0.02, 0.00
HSL	10°, 100%, 99%
HSV	10°, 2%, 100%
XYZ	92.5243, 96.4708, 103.3407
YIQ	251.3810, 3.3010, 0.7490

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 250, 249
Decimal	16775929
CIE Lab	98.62, 1.49, 1.07
CIE LCh	99, 1.835, 35.740
Yxy	96.4708, 0.3165, 0.3300
Android (android.graphics.Color)	4294966009 (0xFFFFFAF9)
YUV	251.3810, -1.1738, 3.1739
Hunter-Lab	98.2195, -3.7346, 6.3723

# Details

The Yxy color 96.4708, 0.3165, 0.3300 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98.2155, 0.3090, 0.3280, and the grayscale version is 96.8094, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.4396, 0.3167, 0.3302 is the 20% darker color. If you saturate the color by 10%, you get 82.5869, 0.3345, 0.3345, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

# Distribution



Red (100%)

Green (98%)

Blue (98%)



Red (100%)

Yellow (98%)

Blue (98%)



Cyan (0%)

Magenta (2%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.4708, 0.3165, 0.3300 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 96.4708, 0.3165, 0.3300 by changing the saturation by 10% instead.




 96.4708, 0.3165,  
0.3300

 96.4708, 0.3165,  
0.3300


548.8629, 0.3148,  
0.3296

 73.3597, 0.3169,  
0.3301


156.2950, 0.3159,  
0.3299

 54.2702, 0.3173,  
0.3302


193.7769, 0.3157,  
0.3298

 38.8177, 0.3178,  
0.3303


236.8179, 0.3155,  
0.3297

 26.6179, 0.3185,  
0.3305

285.8024, 0.3154,  
0.3297

 17.2865, 0.3194,  
0.3307

341.1148, 0.3152,  
0.3297

 10.4390, 0.3207,  
0.3310

403.1394, 0.3151,

 5.6910, 0.3224,

0.3296

0.3315

472.2606, 0.3149,  
0.3296

■ 2.6581, 0.3253,  
0.3322

■ 0.9560, 0.3304,  
0.3334

■ 96.4708, 0.3165,  
0.3300

■ 96.4708, 0.3165,  
0.3300

■ 82.5869, 0.3345,  
0.3345

100.0000, 0.3127,  
0.3290

■ 70.3309, 0.3565,  
0.3392

■ 59.6440, 0.3832,  
0.3441

■ 50.4624, 0.4151,  
0.3488

■ 42.7180, 0.4522,  
0.3528

■ 36.3373, 0.4937,  
0.3555

■ 31.2402, 0.5368,  
0.3559

■ 27.3381, 0.5770,  
0.3532

■ 24.5303, 0.6086,  
0.3474

# Harmonies

## Analogous

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



96.4708, 0.3154, 0.3282



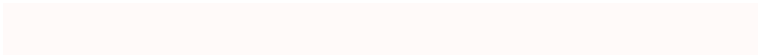
96.4708, 0.3165, 0.3300



96.4708, 0.3166, 0.3315

# Triad

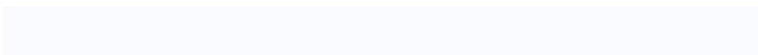
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.4708, 0.3165, 0.3300



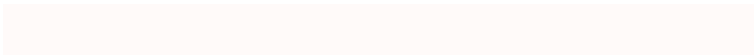
96.4708, 0.3118, 0.3314



96.4708, 0.3099, 0.3256

# Complementary

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



96.4708, 0.3165, 0.3300



98.2155, 0.3090, 0.3280

# 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.



96.4708, 0.3089, 0.3265



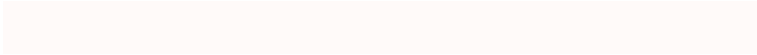
96.4708, 0.3165, 0.3300



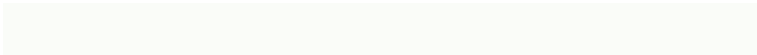
96.4708, 0.3100, 0.3298

# Square

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



96.4708, 0.3165, 0.3300



96.4708, 0.3139, 0.3324



96.4708, 0.3090, 0.3280



96.4708, 0.3116, 0.3257

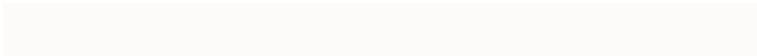


# Rectangle

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



96.4708, 0.3165, 0.3300



96.4708, 0.3160, 0.3322



96.4708, 0.3090, 0.3280



96.4708, 0.3094, 0.3258

# Sweetspot

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



96.4721, 0.3165, 0.3300



98.4966, 0.3143, 0.3294



96.1482, 0.3136, 0.3242



21.0982, 0.3142, 0.3294



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.



96.4721, 0.3165, 0.3300



95.5404, 0.3175, 0.3303



98.3419, 0.3163, 0.3329



20.2000, 0.3189, 0.3306



12.1873, 0.6228, 0.3437



1.3197, 0.6034, 0.3591

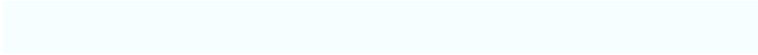


# Inverse Universe

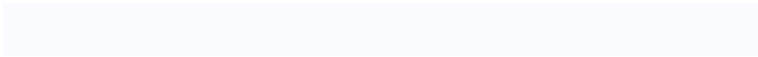
The Inverse Universe completely reimagines the original color for something new.



98.2155, 0.3090, 0.3280



97.7428, 0.3080, 0.3277



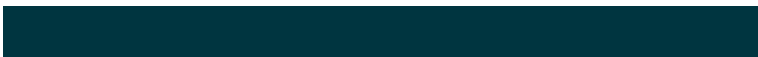
96.3361, 0.3091, 0.3251



20.7941, 0.3068, 0.3274



28.3689, 0.2092, 0.2731



2.8959, 0.2112, 0.2802



# Previews

## White Background



This preview shows how the Yxy color 96.4708, 0.3165, 0.3300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

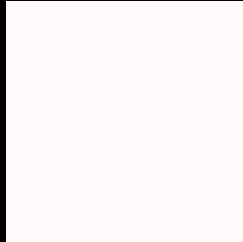
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.4708, 0.3165, 0.3300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

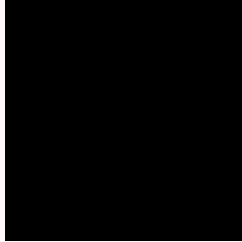
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 96.4708, 0.3165, 0.3300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.4708, 0.3165, 0.3300.



This preview shows how white text looks on a background with the Yxy color 96.4708, 0.3165, 0.3300.

# 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

96.4708, 0.3165, 0.3300

### Protanopia

96.4708, 0.3165, 0.3300

### Deuteranopia

96.5962, 0.3153, 0.3281

## Tritanopia

96.4739, 0.3117, 0.3242

# Trichromacy

## Original Color

96.4708, 0.3165, 0.3300

## Protanomaly

96.4708, 0.3165, 0.3300

## Deuteranomaly

96.5333, 0.3159, 0.3290

## Tritanomaly

96.5339, 0.3135, 0.3261

# Monochromacy

## Original Color

96.4708, 0.3165, 0.3300

## Achromatopsia

96.4686, 0.3127, 0.3290

## Achromatomaly

96.5919, 0.3139, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.4708, 0.3165, 0.3300 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 249)  
}
```

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, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 96.4708, 0.3165, 0.3300 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, 249) }
```

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

```
.border{ border-color:rgb(255, 250, 249) }
```

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, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.4708, 0.3165, 0.3300 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, 249) }
```

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

```
.background{ background-color: rgb(255,  
250, 249) }
```

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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