

# Converting Colors

$Y_{xy}(100.0000, 0.3407, 0.3312)$

Have a look what the booklet for  
Yxy(100.0000, 0.3407, 0.3312)  
contains.

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# Color

**Yxy(93.6426, 0.3203, 0.3319)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF6F3
RGB	255, 246, 243
RGB Percent	100%, 96%, 95%
CMY	0.0001, 0.0352, 0.0469
CMYK	0.00, 0.04, 0.05, 0.00
HSL	15°, 100%, 98%
HSV	15°, 5%, 100%
XYZ	90.3698, 93.6426, 98.1286
YIQ	248.3490, 6.3270, 0.9750

# Conversions

## Conversions Part 2

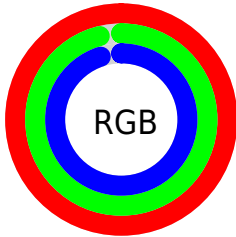
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 247, 243
Decimal	16774899
CIE <sub>Lab</sub>	97.49, 2.49, 2.48
CIE <sub>LCh</sub>	97, 3.515, 44.934
Yxy	93.6426, 0.3203, 0.3319
Android (android.graphics.Color)	4294964979 (0xFFFFF6F3)
YUV	248.3490, -2.6371, 5.8329
Hunter-Lab	96.7691, -2.6501, 7.6154

# Details

The Yxy color 93.6426, 0.3203, 0.3319 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95.8958, 0.3054, 0.3261, and the grayscale version is 94.1893, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 52.4205, 0.3216, 0.3327 is the 20% darker color. If you saturate the color by 10%, you get 81.1637, 0.3388, 0.3384, and if you desaturate by 10%, it is 99.9953, 0.3127, 0.3290.

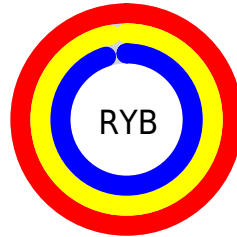
# Distribution



Red (100%)

Green (96%)

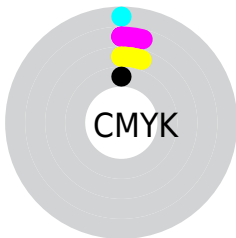
Blue (95%)



Red (100%)

Yellow (97%)

Blue (95%)

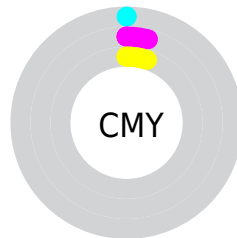


Cyan (0%)

Magenta (4%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.6426, 0.3203, 0.3319 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 93.6426, 0.3203, 0.3319 by changing the saturation by 10% instead.



 93.6426, 0.3203,  
0.3319

 93.6426, 0.3203,  
0.3319


539.8102, 0.3169,  
0.3306

 71.0057, 0.3210,  
0.3322


152.3880, 0.3192,  
0.3315

 52.3469, 0.3219,  
0.3325


189.2653, 0.3187,  
0.3313

 37.2816, 0.3230,  
0.3329


231.6581, 0.3183,  
0.3312

 25.4256, 0.3244,  
0.3334

279.9510, 0.3180,  
0.3310

 16.3944, 0.3263,  
0.3341

334.5282, 0.3177,  
0.3309

 9.8037, 0.3289,  
0.3350

395.7743, 0.3174,

 5.2690, 0.3326,

0.3308

0.3364

464.0735, 0.3172,  
0.3307

■ 2.4059, 0.3386,  
0.3384

■ 0.8289, 0.3526,  
0.3444

■ 93.6426, 0.3203,  
0.3319

■ 93.6426, 0.3203,  
0.3319

■ 81.1637, 0.3388,  
0.3384

99.9953, 0.3127,  
0.3290

■ 70.0489, 0.3611,  
0.3453

■ 60.2550, 0.3876,  
0.3524

■ 51.7320, 0.4187,  
0.3591

■ 44.4266, 0.4542,  
0.3648

■ 38.2818, 0.4931,  
0.3685

■ 33.2355, 0.5329,  
0.3692

■ 29.2195, 0.5696,  
0.3657

■ 26.1568, 0.5989,  
0.3581

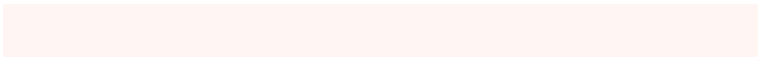
# Harmonies

## Analogous

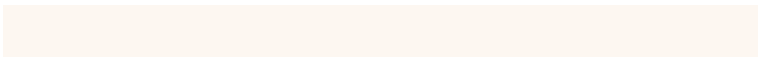
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.6426, 0.3188, 0.3285



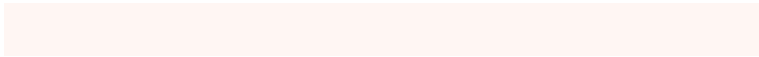
93.6426, 0.3203, 0.3319



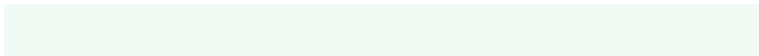
93.6426, 0.3198, 0.3346

# Triad

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



93.6426, 0.3203, 0.3319



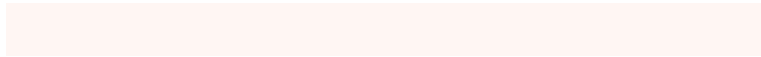
93.6426, 0.3098, 0.3328



93.6426, 0.3081, 0.3223

# Complementary

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



93.6426, 0.3203, 0.3319



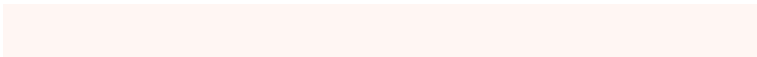
95.8958, 0.3054, 0.3261

# Split Complementary

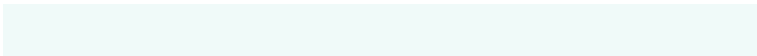
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.6426, 0.3057, 0.3235



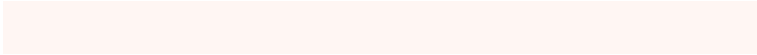
93.6426, 0.3203, 0.3319



93.6426, 0.3067, 0.3295

# Square

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



93.6426, 0.3203, 0.3319



93.6426, 0.3137, 0.3351



93.6426, 0.3052, 0.3261

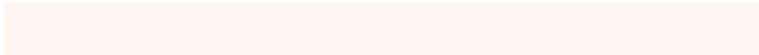


93.6426, 0.3117, 0.3230



# Rectangle

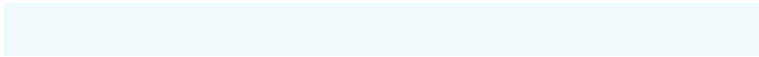
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



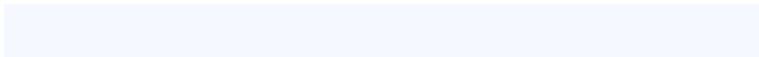
93.6426, 0.3203, 0.3319



93.6426, 0.3183, 0.3356



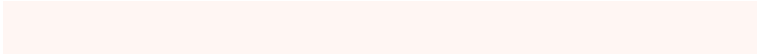
93.6426, 0.3052, 0.3261



93.6426, 0.3071, 0.3225

# Sweetspot

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



93.6467, 0.3203, 0.3319



98.6219, 0.3143, 0.3296



92.4150, 0.3149, 0.3202



21.1237, 0.3142, 0.3296



0.0000, 0.0000, 0.0000

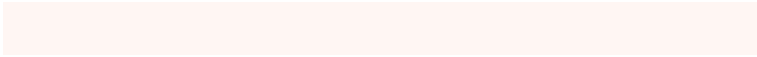


21.4041, 0.3127, 0.3290

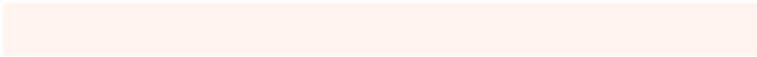


# Same Dimension

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



93.6467, 0.3203, 0.3319



91.9452, 0.3225, 0.3327



97.2172, 0.3199, 0.3374



19.4990, 0.3237, 0.3332



13.2005, 0.6082, 0.3553



1.4495, 0.5865, 0.3725

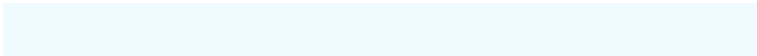


# Inverse Universe

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



95.8958, 0.3054, 0.3261



94.8008, 0.3034, 0.3252



92.3214, 0.3056, 0.3204



20.1737, 0.3024, 0.3248



23.5748, 0.2016, 0.2459

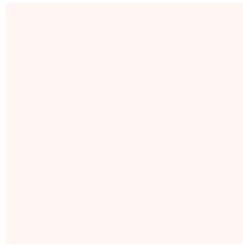


2.4682, 0.2046, 0.2565



# Previews

## White Background



This preview shows how the Yxy color 93.6426, 0.3203, 0.3319 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

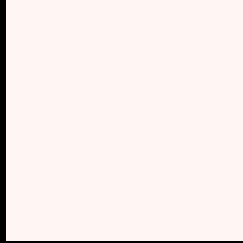
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.6426, 0.3203, 0.3319 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

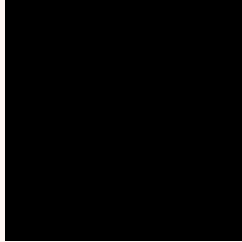
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

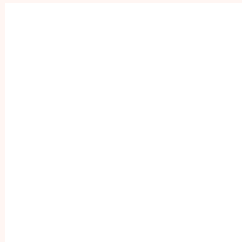
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 93.6426, 0.3203, 0.3319**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.6426, 0.3203, 0.3319.



This preview shows how white text looks on a background with the Yxy color 93.6426, 0.3203, 0.3319.

# 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**

93.6426, 0.3203, 0.3319

**Protanopia**

93.8752, 0.3190, 0.3329

**Deuteranopia**

93.8869, 0.3179, 0.3281



## Tritanopia

94.0142, 0.3118, 0.3204

# Trichromacy

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

**Original Color**

93.6426, 0.3203, 0.3319

**Protanomaly**

94.0634, 0.3196, 0.3329

**Deuteranomaly**

93.8254, 0.3185, 0.3290

**Tritanomaly**

93.9474, 0.3149, 0.3242

# Monochromacy

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

**Original Color**

93.6426, 0.3203, 0.3319

**Achromatopsia**

93.8686, 0.3127, 0.3290

**Achromatomaly**

93.6846, 0.3159, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.6426, 0.3203, 0.3319 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, 246, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 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, 246, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 93.6426, 0.3203, 0.3319 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, 246, 243) }
```

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

```
.border{ border-color:rgb(255, 246, 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, 246, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.6426, 0.3203, 0.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 243) }
```

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

```
.background{ background-color: rgb(255,  
246, 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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