

# Converting Colors

$Y_{xy}(117.5625, 0.3814, 0.3308)$

Have a look what the booklet for  
Yxy(117.5625, 0.3814, 0.3308)  
contains.

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# Color

**Yxy(94.3741, 0.3191, 0.3309)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF7F5
RGB	255, 247, 245
RGB Percent	100%, 97%, 96%
CMY	0.0000, 0.0315, 0.0391
CMYK	0.00, 0.03, 0.04, 0.00
HSL	12°, 100%, 98%
HSV	12°, 4%, 100%
XYZ	91.0087, 94.3741, 99.8215
YIQ	249.1640, 5.4100, 1.0740

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	255, 248, 245
Decimal	16775157
CIE Lab	97.78, 2.37, 1.89
CIE LCh	98, 3.032, 38.470
Yxy	94.3741, 0.3191, 0.3309
Android (android.graphics.Color)	4294965237 (0xFFFFF7F5)
YUV	249.1640, -2.0529, 5.1182
Hunter-Lab	97.1463, -2.7836, 7.0797

# Details

The Yxy color 94.3741, 0.3191, 0.3309 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96.9153, 0.3066, 0.3271, and the grayscale version is 94.8765, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 52.9415, 0.3200, 0.3315 is the 20% darker color. If you saturate the color by 10%, you get 81.0524, 0.3376, 0.3360, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

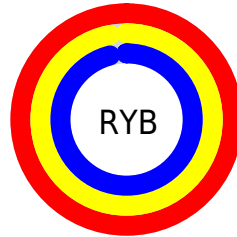
# Distribution



Red (100%)

Green (97%)

Blue (96%)



Red (100%)

Yellow (97%)

Blue (96%)



Cyan (0%)

Magenta (3%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (3%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.3741, 0.3191, 0.3309 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 94.3741, 0.3191, 0.3309 by changing the saturation by 10% instead.



 94.3741, 0.3191,  
0.3309

 94.3741, 0.3191,  
0.3309

542.1593, 0.3163,  
0.3301

 71.6141, 0.3197,  
0.3311

153.3996, 0.3181,  
0.3306

 52.8435, 0.3205,  
0.3313


190.4340, 0.3178,  
0.3305

 37.6779, 0.3214,  
0.3316


232.9952, 0.3174,  
0.3304

 25.7328, 0.3226,  
0.3319

281.4678, 0.3172,  
0.3303

 16.6238, 0.3241,  
0.3323

336.2361, 0.3169,  
0.3303

 9.9667, 0.3263,  
0.3329

397.6846, 0.3167,

 5.3769, 0.3294,

0.3302

0.3338

466.1975, 0.3165,  
0.3301

■ 2.4700, 0.3343,  
0.3351

■ 0.8616, 0.3447,  
0.3385

■ 94.3741, 0.3191,  
0.3309

■ 94.3741, 0.3191,  
0.3309

■ 81.0524, 0.3376,  
0.3360

100.0000, 0.3127,  
0.3290

■ 69.2839, 0.3600,  
0.3415

■ 58.9997, 0.3870,  
0.3470

■ 50.1404, 0.4191,  
0.3523

■ 42.6423, 0.4562,  
0.3568

■ 36.4370, 0.4972,  
0.3596

■ 31.4500, 0.5393,  
0.3598

■ 27.5987, 0.5779,  
0.3566

■ 24.7897, 0.6080,  
0.3499

# Harmonies

## Analogous

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



94.3741, 0.3174, 0.3279



94.3741, 0.3191, 0.3309



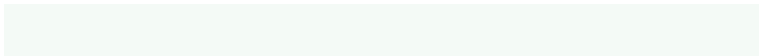
94.3741, 0.3190, 0.3334

# Triad

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



94.3741, 0.3191, 0.3309



94.3741, 0.3109, 0.3328



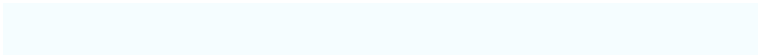
94.3741, 0.3082, 0.3234

# Complementary

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



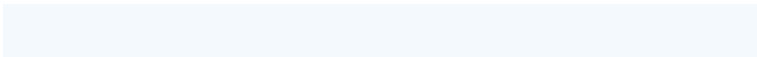
94.3741, 0.3191, 0.3309



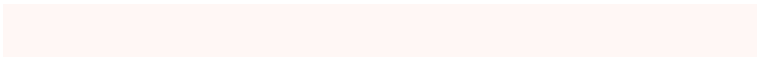
96.9153, 0.3066, 0.3271

# Split Complementary

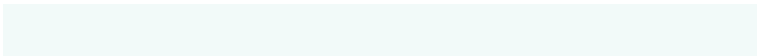
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.3741, 0.3064, 0.3246



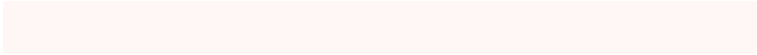
94.3741, 0.3191, 0.3309



94.3741, 0.3080, 0.3301

# Square

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



94.3741, 0.3191, 0.3309



94.3741, 0.3143, 0.3345



94.3741, 0.3064, 0.3271

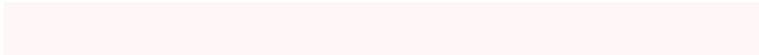


94.3741, 0.3111, 0.3236

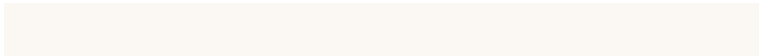


# Rectangle

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



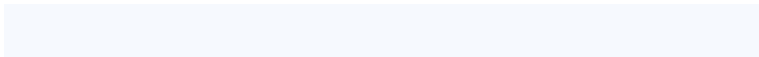
94.3741, 0.3191, 0.3309



94.3741, 0.3180, 0.3344



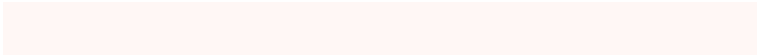
94.3741, 0.3064, 0.3271



94.3741, 0.3074, 0.3236

# Sweetspot

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



94.3612, 0.3190, 0.3309



98.5356, 0.3143, 0.3295



93.6807, 0.3143, 0.3212



21.1061, 0.3142, 0.3295



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

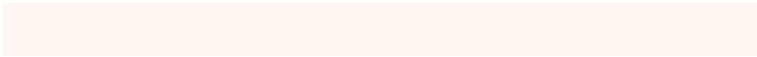


# Same Dimension

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



94.3612, 0.3190, 0.3309



92.8384, 0.3209, 0.3314



97.3744, 0.3187, 0.3356



19.6626, 0.3221, 0.3318



12.4615, 0.6187, 0.3469



1.3566, 0.5984, 0.3631

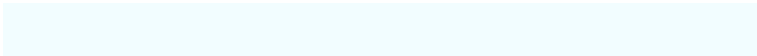


# Inverse Universe

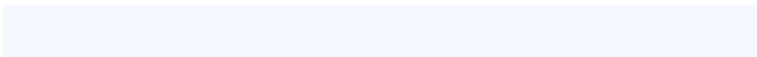
The Inverse Universe completely reimagines the original color for something new.



96.9153, 0.3066, 0.3271



96.0779, 0.3049, 0.3265



93.8828, 0.3067, 0.3224



20.4497, 0.3039, 0.3262



26.8105, 0.2069, 0.2648

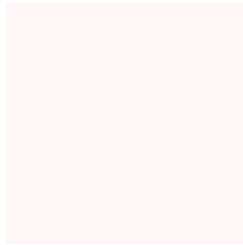


2.7577, 0.2091, 0.2729



# Previews

## White Background



This preview shows how the Yxy color 94.3741, 0.3191, 0.3309 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

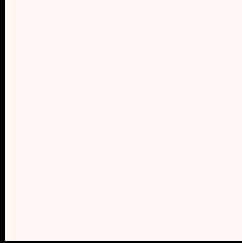
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.3741, 0.3191, 0.3309 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

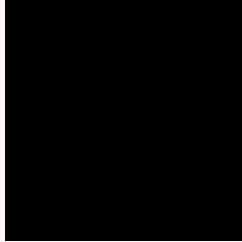
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.3741, 0.3191, 0.3309**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.3741, 0.3191, 0.3309.



This preview shows how white text looks on a background with the Yxy color 94.3741, 0.3191, 0.3309.

# 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**

94.3741, 0.3191, 0.3309

**Protanopia**

94.1849, 0.3184, 0.3309

**Deuteranopia**

94.5588, 0.3172, 0.3281

## Tritanopia

94.6242, 0.3118, 0.3213

# Trichromacy



**Original Color**

94.3741, 0.3191, 0.3309

**Protanomaly**

94.1849, 0.3184, 0.3309

**Deuteranomaly**

94.4969, 0.3178, 0.3290

**Tritanomaly**

94.5574, 0.3148, 0.3252

# Monochromacy



**Original Color**

94.3741, 0.3191, 0.3309

**Achromatopsia**

94.7307, 0.3127, 0.3290

**Achromatomaly**

94.4213, 0.3146, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.3741, 0.3191, 0.3309 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, 247, 245) looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 245)  
}
```

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, 247, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 94.3741, 0.3191, 0.3309 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, 247, 245) }
```

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

```
.border{ border-color:rgb(255, 247, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.3741, 0.3191, 0.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 245) }
```

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

```
.background{ background-color: rgb(255,  
247, 245) }
```

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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