

# Converting Colors

$Y_{xy}(94.9210, 0.3171, 0.3300)$

Have a look what the booklet for  
Yxy(94.9210, 0.3171, 0.3300)  
contains.

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# Color

**Yxy(94.9210, 0.3171, 0.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEF8F7
RGB	254, 248, 247
RGB Percent	100%, 97%, 97%
CMY	0.0042, 0.0273, 0.0314
CMYK	0.00, 0.02, 0.03, 0.00
HSL	9°, 76%, 98%
HSV	9°, 3%, 100%
XYZ	91.2105, 94.9210, 101.5079
YIQ	249.6800, 3.8970, 0.9610

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	254, 248, 247
Decimal	16709879
CIELab	98.00, 1.79, 1.18
CIELCh	98, 2.144, 33.281
Yxy	94.9210, 0.3171, 0.3300
Android (android.graphics.Color)	4294899959 (0xFFFEF8F7)
YUV	249.6800, -1.3212, 3.7886
Hunter-Lab	97.4274, -3.3883, 6.4260

# Details

The Yxy color 94.9210, 0.3171, 0.3300 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97.1175, 0.3085, 0.3280, and the grayscale version is 95.3248, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.3312, 0.3175, 0.3302 is the 20% darker color. If you saturate the color by 10%, you get 80.9194, 0.3354, 0.3339, and if you desaturate by 10%, it is 99.7985, 0.3121, 0.3290.

# Distribution



Red (100%)

Green (97%)

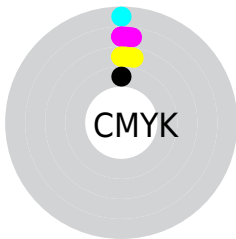
Blue (97%)



Red (100%)

Yellow (97%)

Blue (97%)



Cyan (0%)

Magenta (2%)

Yellow (3%)

Black (0%)



Cyan (0%)

Magenta (3%)


Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.9210, 0.3171, 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 94.9210, 0.3171, 0.3300 by changing the saturation by 10% instead.




 94.9210, 0.3171,  
0.3300

 94.9210, 0.3171,  
0.3300

543.9120, 0.3152,  
0.3296

 72.0692, 0.3175,  
0.3301

154.1555, 0.3164,  
0.3299

 53.2152, 0.3180,  
0.3302


191.3069, 0.3162,  
0.3298

 37.9746, 0.3187,  
0.3303


233.9938, 0.3160,  
0.3297

 25.9630, 0.3195,  
0.3305

282.6003, 0.3158,  
0.3297

 16.7960, 0.3205,  
0.3307

337.5111, 0.3156,  
0.3297

 10.0891, 0.3220,  
0.3311

399.1103, 0.3154,

 5.4581, 0.3241,

0.3296

0.3315

467.7825, 0.3153,  
0.3296

■ 2.5185, 0.3275,  
0.3322

■ 0.8859, 0.3339,  
0.3337

■ 94.9210, 0.3171,  
0.3300

■ 94.9210, 0.3171,  
0.3300

■ 80.9194, 0.3354,  
0.3339

99.7985, 0.3121,  
0.3290

■ 68.6037, 0.3577,  
0.3380

■ 57.9138, 0.3849,  
0.3422

■ 48.7815, 0.4175,  
0.3463

■ 41.1337, 0.4557,  
0.3497

■ 34.8915, 0.4982,  
0.3518

■ 29.9684, 0.5422,  
0.3519

■ 26.2683, 0.5826,  
0.3493

■ 23.6815, 0.6135,  
0.3439

# Harmonies

## Analogous

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



94.9210, 0.3157, 0.3279



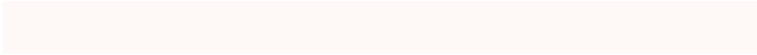
94.9210, 0.3171, 0.3300



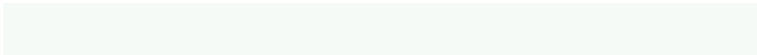
94.9210, 0.3173, 0.3319

# Triad

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



94.9210, 0.3171, 0.3300



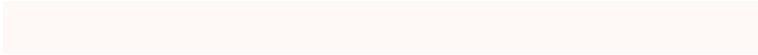
94.9210, 0.3119, 0.3320



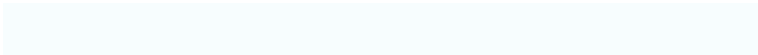
94.9210, 0.3092, 0.3251

# Complementary

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



94.9210, 0.3171, 0.3300



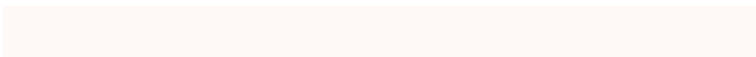
97.1175, 0.3085, 0.3280

# 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.



94.9210, 0.3082, 0.3262



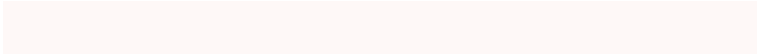
94.9210, 0.3171, 0.3300



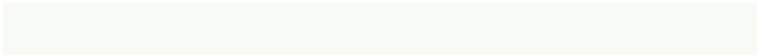
94.9210, 0.3097, 0.3301

# Square

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



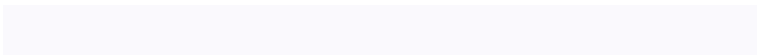
94.9210, 0.3171, 0.3300



94.9210, 0.3142, 0.3330



94.9210, 0.3084, 0.3280

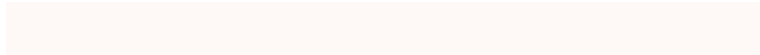


94.9210, 0.3112, 0.3251

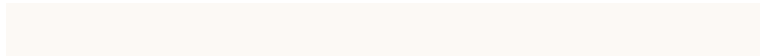


# Rectangle

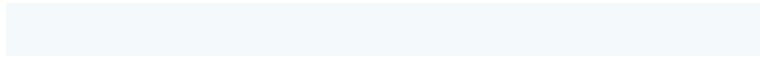
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.9210, 0.3171, 0.3300



94.9210, 0.3167, 0.3327



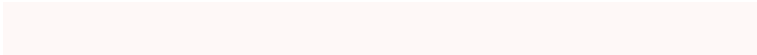
94.9210, 0.3084, 0.3280



94.9210, 0.3088, 0.3253

# Sweetspot

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



94.9251, 0.3171, 0.3300



98.4587, 0.3143, 0.3294



94.6720, 0.3136, 0.3232



21.0905, 0.3142, 0.3293



0.0000, 0.0000, 0.0000

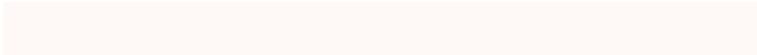


21.4041, 0.3127, 0.3290

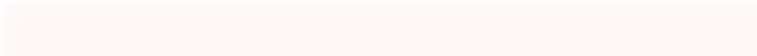


# Same Dimension

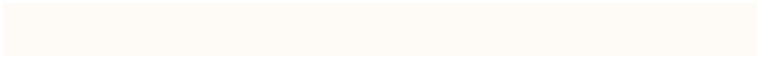
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.9251, 0.3171, 0.3300



95.4295, 0.3175, 0.3301



97.0131, 0.3169, 0.3332



20.1701, 0.3189, 0.3304



11.9553, 0.6264, 0.3408

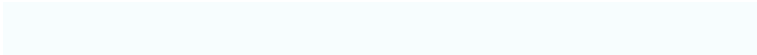


1.2867, 0.6080, 0.3555



# Inverse Universe

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



97.1175, 0.3085, 0.3280



97.8568, 0.3080, 0.3279



95.0126, 0.3086, 0.3247



20.8250, 0.3068, 0.3276



29.9368, 0.2114, 0.2812

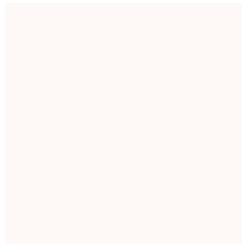


3.0341, 0.2131, 0.2872



# Previews

## White Background



This preview shows how the Yxy color 94.9210, 0.3171, 0.3300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

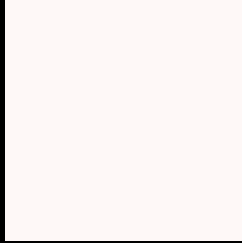
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.9210, 0.3171, 0.3300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

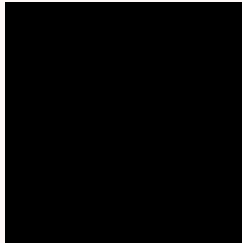
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.9210, 0.3171, 0.3300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.9210, 0.3171, 0.3300.



This preview shows how white text looks on a background with the Yxy color 94.9210, 0.3171, 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**

94.9210, 0.3171, 0.3300

**Protanopia**

94.9210, 0.3171, 0.3300

**Deuteranopia**

94.6211, 0.3166, 0.3271

## **Tritanopia**

95.0503, 0.3111, 0.3223

# Trichromacy



**Original Color**

94.9210, 0.3171, 0.3300

**Protanomaly**

94.9210, 0.3171, 0.3300

**Deuteranomaly**

94.5588, 0.3172, 0.3281

**Tritanomaly**

95.0457, 0.3135, 0.3252

# Monochromacy



**Original Color**

94.9210, 0.3171, 0.3300

**Achromatopsia**

95.5973, 0.3127, 0.3290

**Achromatomaly**

95.1001, 0.3140, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.9210, 0.3171, 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(254, 248, 247)` looks like.

```
.text, #text, p{  
    color:rgb(254, 248, 247)  
}
```

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(254, 248, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 248, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 94.9210, 0.3171, 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(254, 248, 247) }
```

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

```
.border{ border-color:rgb(254, 248, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 248, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(254, 248, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(254, 248, 247); box-shadow:4px 4px 4px 4px rgb(254, 248, 247) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.9210, 0.3171, 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(254, 248, 247) }
```

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

```
.background{ background-color: rgb(254,  
248, 247) }
```

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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