

# Converting Colors

$Y_{xy}(100.0000, 0.3363, 0.3333)$

Have a look what the booklet for  
Yxy(100.0000, 0.3363, 0.3333)  
contains.

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# Color

**Yxy(94.8659, 0.3202, 0.3338)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFF8F3
RGB	255, 248, 243
RGB Percent	100%, 97%, 95%
CMY	0.0000, 0.0275, 0.0469
CMYK	0.00, 0.03, 0.05, 0.00
HSL	25°, 100%, 98%
HSV	25°, 5%, 100%
XYZ	91.0008, 94.8659, 98.3331
YIQ	249.5230, 5.7770, -0.0710

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 252, 243
Decimal	16775411
CIE <sub>Lab</sub>	97.98, 1.51, 3.20
CIE <sub>LCh</sub>	98, 3.535, 64.728
Yxy	94.8659, 0.3202, 0.3338
Android (android.graphics.Color)	4294965491 (0xFFFFF8F3)
YUV	249.5230, -3.2158, 8.8033
Hunter-Lab	97.3991, -3.6745, 8.3208

# Details

The Yxy color 94.8659, 0.3202, 0.3338 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 94.6784, 0.3055, 0.3242, and the grayscale version is 95.2045, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.2929, 0.3214, 0.3352 is the 20% darker color. If you saturate the color by 10%, you get 84.6047, 0.3380, 0.3445, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

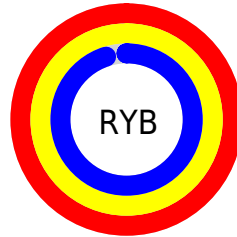
# Distribution



Red (100%)

Green (97%)

Blue (95%)



Red (100%)

Yellow (99%)

Blue (95%)



Cyan (0%)

Magenta (3%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (3%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.8659, 0.3202, 0.3338 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 94.8659, 0.3202, 0.3338 by changing the saturation by 10% instead.



 94.8659, 0.3202,  
0.3338

 94.8659, 0.3202,  
0.3338

543.7356, 0.3169,  
0.3317

 72.0234, 0.3209,  
0.3343

154.0793, 0.3191,  
0.3331

 53.1778, 0.3218,  
0.3348

191.2190, 0.3186,  
0.3328

 37.9447, 0.3229,  
0.3355


233.8932, 0.3183,  
0.3326

 25.9398, 0.3243,  
0.3364

282.4863, 0.3179,  
0.3323

 16.7786, 0.3261,  
0.3375

337.3827, 0.3176,  
0.3322

 10.0768, 0.3286,  
0.3390

398.9668, 0.3174,

 5.4499, 0.3322,

0.3320

0.3413

467.6229, 0.3171,  
0.3318

■ 2.5136, 0.3380,  
0.3448

■ 0.8834, 0.3510,  
0.3535

■ 94.8659, 0.3202,  
0.3338

■ 94.8659, 0.3202,  
0.3338

■ 84.6047, 0.3380,  
0.3445

100.0000, 0.3127,  
0.3290

■ 75.2693, 0.3586,  
0.3558

■ 66.8280, 0.3823,  
0.3673

■ 59.2526, 0.4092,  
0.3783

■ 52.5128, 0.4389,  
0.3882

■ 46.5766, 0.4705,  
0.3957

■ 41.4092, 0.5023,  
0.3995

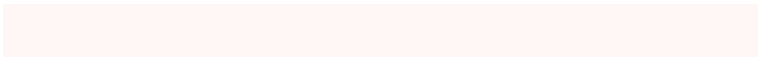
■ 36.9726, 0.5321,  
0.3983

■ 33.2238, 0.5574,  
0.3917

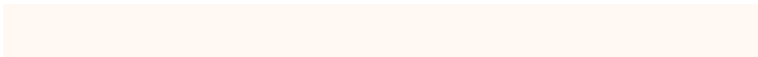
# Harmonies

## Analogous

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



94.8659, 0.3200, 0.3308



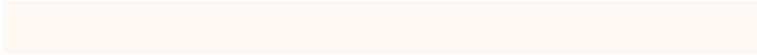
94.8659, 0.3202, 0.3338



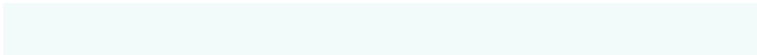
94.8659, 0.3184, 0.3356

# Triad

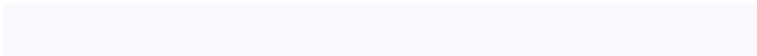
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



94.8659, 0.3202, 0.3338



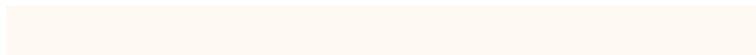
94.8659, 0.3076, 0.3307



94.8659, 0.3104, 0.3226

# Complementary

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



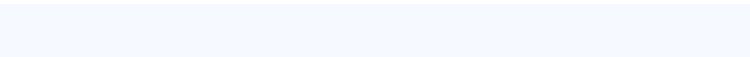
94.8659, 0.3202, 0.3338



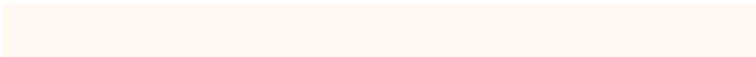
94.6784, 0.3055, 0.3242

# Split Complementary

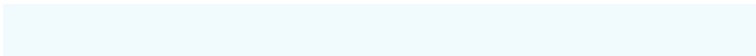
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.8659, 0.3071, 0.3225



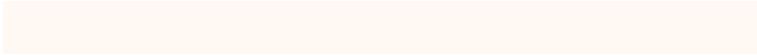
94.8659, 0.3202, 0.3338



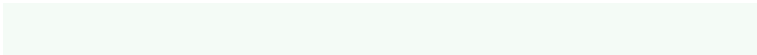
94.8659, 0.3055, 0.3272

# Square

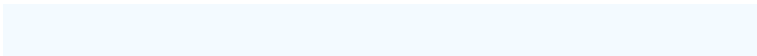
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



94.8659, 0.3202, 0.3338



94.8659, 0.3111, 0.3338



94.8659, 0.3053, 0.3242

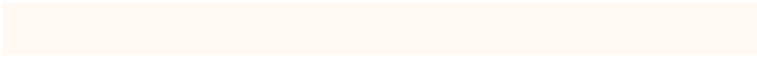


94.8659, 0.3143, 0.3243



# Rectangle

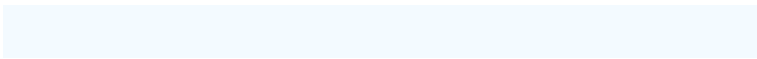
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.8659, 0.3202, 0.3338



94.8659, 0.3163, 0.3358



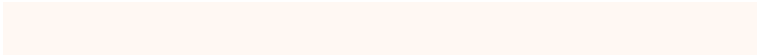
94.8659, 0.3053, 0.3242



94.8659, 0.3092, 0.3224

# Sweetspot

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



94.8614, 0.3202, 0.3338



98.8875, 0.3143, 0.3300



92.2962, 0.3161, 0.3221



21.1777, 0.3142, 0.3300



0.0000, 0.0000, 0.0000

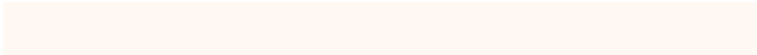


21.4041, 0.3127, 0.3290

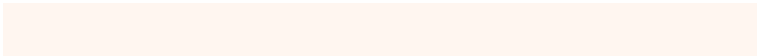


# Same Dimension

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



94.8614, 0.3202, 0.3338



93.4677, 0.3223, 0.3352



98.4918, 0.3197, 0.3394



19.8581, 0.3234, 0.3359



16.7322, 0.5660, 0.3888

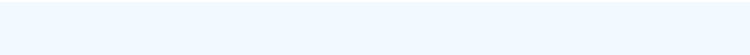


1.8385, 0.5456, 0.4050

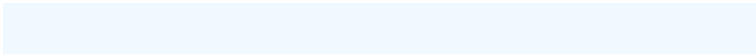


# Inverse Universe

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



94.6784, 0.3055, 0.3242



93.2358, 0.3034, 0.3228



91.1200, 0.3056, 0.3184



19.8033, 0.3024, 0.3220



15.3682, 0.1853, 0.1870

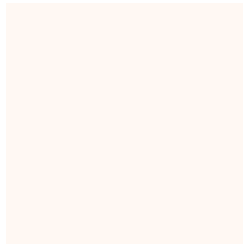


1.7120, 0.1902, 0.2047



# Previews

## White Background



This preview shows how the Yxy color 94.8659, 0.3202, 0.3338 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

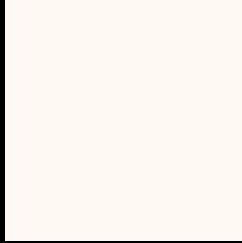
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.8659, 0.3202, 0.3338 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

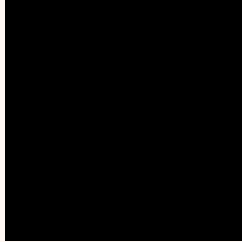
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.8659, 0.3202, 0.3338**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.8659, 0.3202, 0.3338.



This preview shows how white text looks on a background with the Yxy color 94.8659, 0.3202, 0.3338.

# 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**

94.8659, 0.3202, 0.3338

**Protanopia**

94.8659, 0.3202, 0.3338

**Deuteranopia**

94.5588, 0.3172, 0.3281

## **Tritanopia**

95.2374, 0.3118, 0.3223

# Trichromacy



**Original Color**

94.8659, 0.3202, 0.3338

**Protanomaly**

94.8659, 0.3202, 0.3338

**Deuteranomaly**

94.4353, 0.3185, 0.3300

**Tritanomaly**

95.1707, 0.3148, 0.3261

# Monochromacy



**Original Color**

94.8659, 0.3202, 0.3338

**Achromatopsia**

95.5973, 0.3127, 0.3290

**Achromatomaly**

95.1622, 0.3158, 0.3309

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.8659, 0.3202, 0.3338 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, 248, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 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, 248, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 94.8659, 0.3202, 0.3338 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, 248, 243) }
```

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

```
.border{ border-color:rgb(255, 248, 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, 248, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.8659, 0.3202, 0.3338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 243) }
```

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

```
.background{ background-color: rgb(255,  
248, 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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