

# Converting Colors

$Y_{xy}(100.0000, 0.3445, 0.3435)$

Have a look what the booklet for  
Yxy(100.0000, 0.3445, 0.3435)  
contains.

<b>Yxy(94.2780, 0.3263, 0.3436)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(94.2780, 0.3263, 0.3436)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF8E9
RGB	255, 248, 233
RGB Percent	100%, 97%, 91%
CMY	0.0000, 0.0275, 0.0862
CMYK	0.00, 0.03, 0.09, 0.00
HSL	41°, 100%, 96%
HSV	41°, 9%, 100%
XYZ	89.5312, 94.2780, 90.5738
YIQ	248.3830, 8.9870, -3.1810

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 255, 233
Decimal	16775401
CIE Lab	97.74, -0.14, 8.02
CIE LCh	98, 8.016, 91.007
Yxy	94.2780, 0.3263, 0.3436
Android (android.graphics.Color)	4294965481 (0xFFFFF8E9)
YUV	248.3830, -7.5838, 5.8031
Hunter-Lab	97.0969, -5.3280, 12.6609

# Details

The Yxy color 94.2780, 0.3263, 0.3436 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 86.8763, 0.2993, 0.3140, and the grayscale version is 94.2508, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 52.8794, 0.3292, 0.3476 is the 20% darker color. If you saturate the color by 10%, you get 88.0270, 0.3435, 0.3613, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

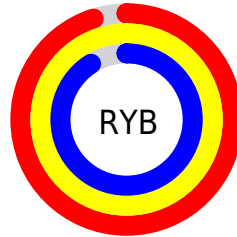
# Distribution



Red (100%)

Green (97%)

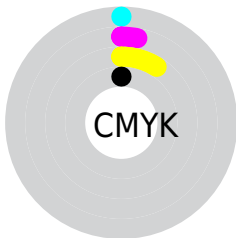
Blue (91%)



Red (95%)

Yellow (100%)

Blue (91%)

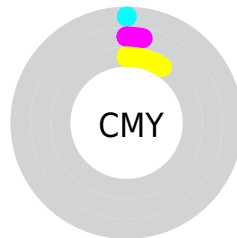


Cyan (0%)

Magenta (3%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (3%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.2780, 0.3263, 0.3436 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 94.2780, 0.3263, 0.3436 by changing the saturation by 10% instead.



 94.2780, 0.3263,  
0.3436

 94.2780, 0.3263,  
0.3436

541.8510, 0.3203,  
0.3372

 71.5342, 0.3276,  
0.3450


153.2668, 0.3243,  
0.3414

 52.7783, 0.3292,  
0.3467


190.2805, 0.3235,  
0.3406

 37.6258, 0.3312,  
0.3488


232.8197, 0.3228,  
0.3398

 25.6924, 0.3337,  
0.3515

281.2687, 0.3222,  
0.3391

 16.5936, 0.3369,  
0.3550

336.0119, 0.3216,  
0.3386

 9.9452, 0.3414,  
0.3599

397.4338, 0.3211,

 5.3626, 0.3479,

0.3380

0.3669

465.9187, 0.3207,  
0.3376

■ 2.4616, 0.3582,  
0.3780

■ 0.8573, 0.3974,  
0.4199

■ 94.2780, 0.3263,  
0.3436

■ 94.2780, 0.3263,  
0.3436

■ 88.0270, 0.3435,  
0.3613

100.0000, 0.3127,  
0.3290

■ 82.1985, 0.3622,  
0.3794

■ 76.7737, 0.3821,  
0.3974

■ 71.7393, 0.4029,  
0.4143

■ 67.0809, 0.4237,  
0.4293

■ 62.7829, 0.4438,  
0.4411

■ 58.8278, 0.4620,  
0.4487

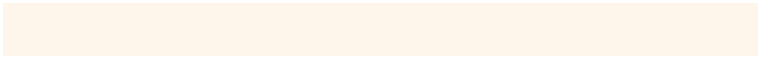
■ 55.1954, 0.4773,  
0.4512

■ 51.8580, 0.4895,  
0.4488

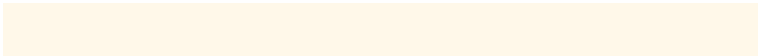
# Harmonies

## Analogous

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



94.2780, 0.3300, 0.3391



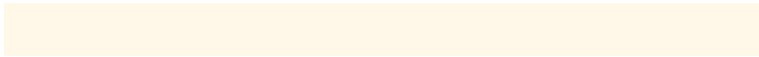
94.2780, 0.3263, 0.3436



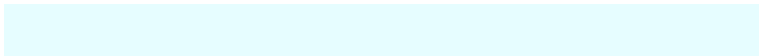
94.2780, 0.3190, 0.3442

# Triad

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



94.2780, 0.3263, 0.3436



94.2780, 0.2968, 0.3257



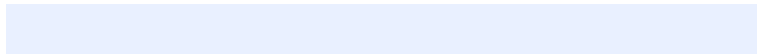
94.2780, 0.3152, 0.3178

# Complementary

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



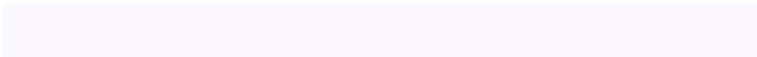
94.2780, 0.3263, 0.3436



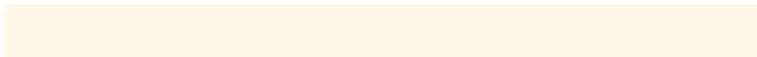
86.8763, 0.2993, 0.3140

# 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.



94.2780, 0.3063, 0.3143



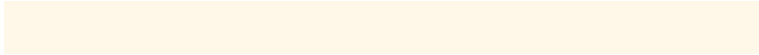
94.2780, 0.3263, 0.3436



94.2780, 0.2958, 0.3187

# Square

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



94.2780, 0.3263, 0.3436



94.2780, 0.3020, 0.3338



94.2780, 0.2992, 0.3145

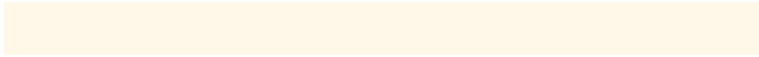


94.2780, 0.3235, 0.3242



# Rectangle

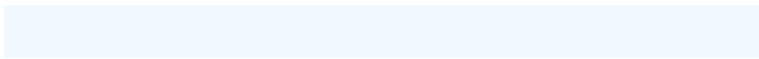
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.2780, 0.3263, 0.3436



94.2780, 0.3131, 0.3423



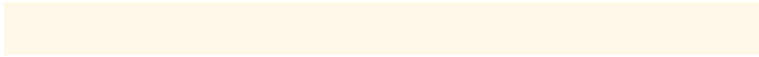
94.2780, 0.2992, 0.3145



94.2780, 0.3122, 0.3162

# Sweetspot

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



94.2714, 0.3263, 0.3436



97.9708, 0.3173, 0.3340



85.8536, 0.3230, 0.3219



20.8551, 0.3185, 0.3354



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

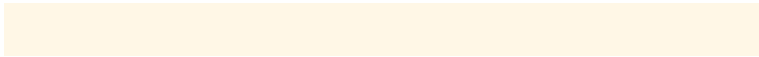


# Same Dimension

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



94.2714, 0.3263, 0.3436



93.3873, 0.3285, 0.3460



97.9751, 0.3232, 0.3504



20.0567, 0.3277, 0.3451



27.1479, 0.4896, 0.4495

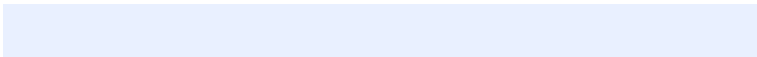


2.8405, 0.4795, 0.4575



# Inverse Universe

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



86.8763, 0.2993, 0.3140



84.8941, 0.2971, 0.3114



83.4505, 0.3017, 0.3070



18.3229, 0.2979, 0.3123



7.1072, 0.1622, 0.1039

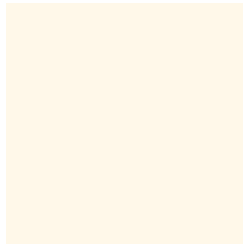


0.8792, 0.1684, 0.1261



# Previews

## White Background



This preview shows how the Yxy color 94.2780, 0.3263, 0.3436 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

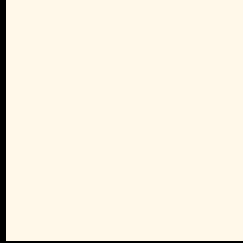
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.2780, 0.3263, 0.3436 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

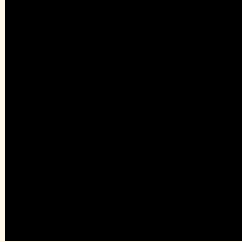
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.2780, 0.3263, 0.3436**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.2780, 0.3263, 0.3436.

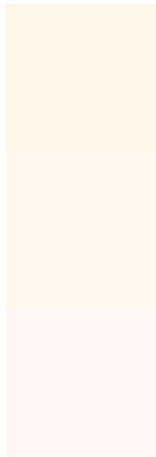


This preview shows how white text looks on a background with the Yxy color 94.2780, 0.3263, 0.3436.

# 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

94.2780, 0.3263, 0.3436

### Protanopia

94.4509, 0.3244, 0.3407

### Deuteranopia

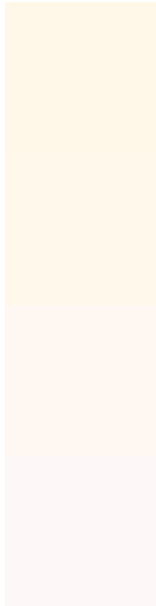
94.4353, 0.3185, 0.3300



## Tritanopia

94.0142, 0.3118, 0.3204

# Trichromacy



## Original Color

94.2780, 0.3263, 0.3436

## Protanomaly

94.3930, 0.3250, 0.3417

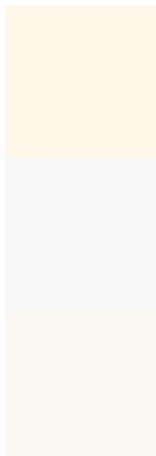
## Deuteranomaly

94.1324, 0.3215, 0.3348

## Tritanomaly

94.3078, 0.3172, 0.3290

# Monochromacy



## Original Color

94.2780, 0.3263, 0.3436

## Achromatopsia

93.8686, 0.3127, 0.3290

## Achromatomaly

94.1151, 0.3176, 0.3339

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.2780, 0.3263, 0.3436 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 94.2780, 0.3263, 0.3436 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, 233) }
```

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

```
.border{ border-color:rgb(255, 248, 233) }
```

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, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.2780, 0.3263, 0.3436 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, 233) }
```

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

```
.background{ background-color: rgb(255,  
248, 233) }
```

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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