

# Converting Colors

$Yxy(96.4885, 0.3256, 0.3464)$

Have a look what the booklet for  
Yxy(96.4885, 0.3256, 0.3464)  
contains.

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# Color

**Yxy(96.8213, 0.3253, 0.3465)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFFCEA
RGB	255, 252, 234
RGB Percent	100%, 99%, 92%
CMY	0.0000, 0.0117, 0.0825
CMYK	0.00, 0.01, 0.08, 0.00
HSL	51°, 100%, 96%
HSV	51°, 8%, 100%
XYZ	90.8975, 96.8213, 91.7078
YIQ	250.8450, 7.5660, -4.9620

# Conversions

## Conversions Part 2

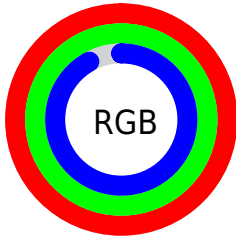
Format	Color
R <sub>Y</sub> B	238, 255, 234
Decimal	16776426
CIE Lab	98.76, -2.03, 8.98
CIE LCh	99, 9.208, 102.736
Yxy	96.8213, 0.3253, 0.3465
Android (android.graphics.Color)	4294966506 (0xFFFFFCEA)
YUV	250.8450, -8.3046, 3.6439
Hunter-Lab	98.3978, -7.3023, 13.6196

# Details

The Yxy color 96.8213, 0.3253, 0.3465 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 85.2453, 0.2999, 0.3109, and the grayscale version is 96.3997, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.2503, 0.3280, 0.3500 is the 20% darker color. If you saturate the color by 10%, you get 93.2084, 0.3414, 0.3684, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

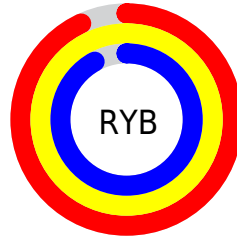
# Distribution



Red (100%)

Green (99%)

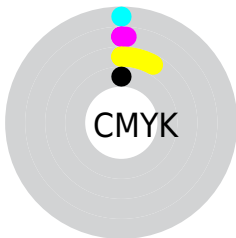
Blue (92%)



Red (93%)

Yellow (100%)

Blue (92%)

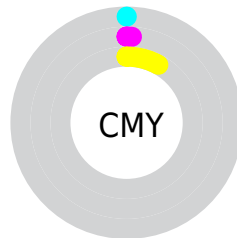


Cyan (0%)

Magenta (1%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (1%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.8213, 0.3253, 0.3465 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 96.8213, 0.3253, 0.3465 by changing the saturation by 10% instead.




 96.8213, 0.3253,  
0.3465

 96.8213, 0.3253,  
0.3465

549.9794, 0.3198,  
0.3388

 73.6518, 0.3265,  
0.3482


156.7784, 0.3234,  
0.3439

 54.5091, 0.3279,  
0.3502


194.3348, 0.3227,  
0.3429

 39.0088, 0.3297,  
0.3527


237.4556, 0.3221,  
0.3420

 26.7666, 0.3320,  
0.3560

286.5252, 0.3215,  
0.3412

 17.3980, 0.3349,  
0.3602

341.9279, 0.3210,  
0.3405

 10.5187, 0.3389,  
0.3659

404.0483, 0.3205,

 5.7442, 0.3446,

0.3398

0.3743

473.2707, 0.3201,  
0.3393

■ 2.6902, 0.3534,  
0.3874

■ 0.9722, 0.3839,  
0.4279

■ 96.8213, 0.3253,  
0.3465

■ 96.8213, 0.3253,  
0.3465

■ 93.2084, 0.3414,  
0.3684

100.0000, 0.3127,  
0.3290

■ 89.8370, 0.3581,  
0.3906

■ 86.7009, 0.3751,  
0.4124

■ 83.7895, 0.3917,  
0.4328

■ 81.0912, 0.4072,  
0.4508

■ 78.5929, 0.4210,  
0.4654

■ 76.2802, 0.4323,  
0.4758

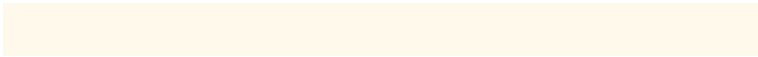
■ 74.1356, 0.4408,  
0.4815

■ 72.1355, 0.4465,  
0.4829

# Harmonies

## Analogous

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



96.8213, 0.3313, 0.3429



96.8213, 0.3253, 0.3465



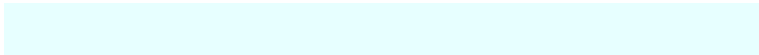
96.8213, 0.3159, 0.3453

# Triad

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



96.8213, 0.3253, 0.3465



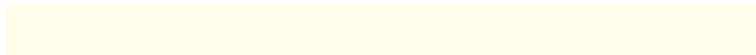
96.8213, 0.2935, 0.3218



96.8213, 0.3195, 0.3188

# Complementary

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



96.8213, 0.3253, 0.3465



85.2453, 0.2999, 0.3109

# Split Complementary

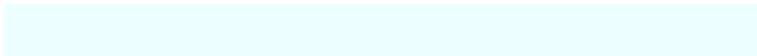
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.8213, 0.3093, 0.3134



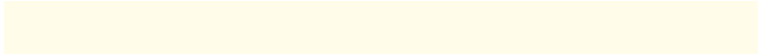
96.8213, 0.3253, 0.3465



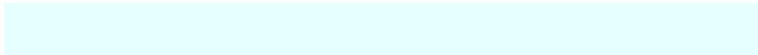
96.8213, 0.2944, 0.3149

# Square

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



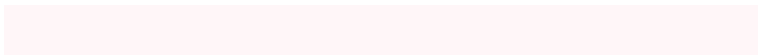
96.8213, 0.3253, 0.3465



96.8213, 0.2977, 0.3309



96.8213, 0.3001, 0.3119



96.8213, 0.3280, 0.3269



# Rectangle

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



96.8213, 0.3253, 0.3465



96.8213, 0.3091, 0.3419



96.8213, 0.3001, 0.3119



96.8213, 0.3161, 0.3166

# Sweetspot

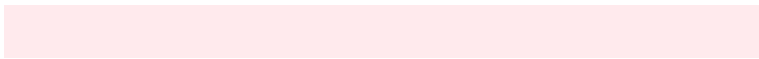
The Sweet Spot groups the original color and five complimentary colors.



96.8249, 0.3253, 0.3465



99.2142, 0.3157, 0.3332



86.2040, 0.3250, 0.3259



21.2442, 0.3156, 0.3330



0.0000, 0.0000, 0.0000

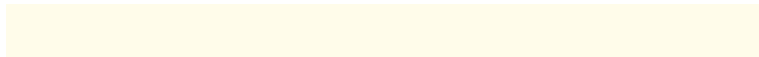


21.4041, 0.3127, 0.3290

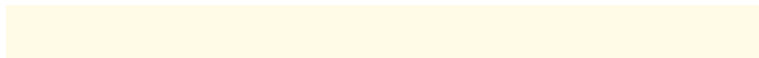


# Same Dimension

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



96.8249, 0.3253, 0.3465



96.1743, 0.3281, 0.3503



97.3482, 0.3203, 0.3496



20.6245, 0.3273, 0.3492



37.6832, 0.4469, 0.4834



3.7845, 0.4432, 0.4863



# Inverse Universe

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



85.2453, 0.2999, 0.3109



82.3088, 0.2970, 0.3068



84.8006, 0.3047, 0.3081



17.7941, 0.2979, 0.3079



4.5650, 0.1531, 0.0711



0.5640, 0.1576, 0.0875



# Previews

## White Background



This preview shows how the Yxy color 96.8213, 0.3253, 0.3465 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 96.8213, 0.3253, 0.3465 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 96.8213, 0.3253, 0.3465**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.8213, 0.3253, 0.3465.



This preview shows how white text looks on a background with the Yxy color 96.8213, 0.3253, 0.3465.

# 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

96.8213, 0.3253, 0.3465



### Protanopia

96.7860, 0.3194, 0.3357



### Deuteranopia

96.5333, 0.3159, 0.3290

## **Tritanopia**

96.4739, 0.3117, 0.3242

# Trichromacy

**Original Color**

96.8213, 0.3253, 0.3465

**Protanomaly**

96.5456, 0.3218, 0.3396

**Deuteranomaly**

96.7860, 0.3194, 0.3357

**Tritanomaly**

96.7806, 0.3170, 0.3329

# Monochromacy

**Original Color**

96.8213, 0.3253, 0.3465

**Achromatopsia**

96.4686, 0.3127, 0.3290

**Achromatomaly**

96.2824, 0.3169, 0.3348

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  96.8213, 0.3253, 0.3465 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, 252, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 234)  
}
```

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, 252, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 96.8213, 0.3253, 0.3465 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, 252, 234) }
```

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

```
.border{ border-color:rgb(255, 252, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 252, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.8213, 0.3253, 0.3465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 234) }
```

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

```
.background{ background-color: rgb(255,  
252, 234) }
```

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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