

# Converting Colors

$Y_{xy}(92.2892, 0.3266, 0.3405)$

Have a look what the booklet for  
Yxy(92.2892, 0.3266, 0.3405)  
contains.

<b>Yxy(92.4480, 0.3266, 0.3407)</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(92.4480, 0.3266, 0.3407)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF5E9
RGB	255, 245, 233
RGB Percent	100%, 96%, 91%
CMY	0.0000, 0.0393, 0.0862
CMYK	0.00, 0.04, 0.09, 0.00
HSL	33°, 100%, 96%
HSV	33°, 9%, 100%
XYZ	88.6220, 92.4480, 90.2772
YIQ	246.6220, 9.8120, -1.6120

# Conversions

## Conversions Part 2

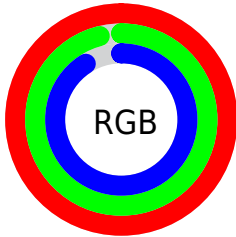
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 255, 233
Decimal	16774633
CIE Lab	97.00, 1.39, 6.94
CIE LCh	97, 7.081, 78.701
Yxy	92.4480, 0.3266, 0.3407
Android (android.graphics.Color)	4294964713 (0xFFFFF5E9)
YUV	246.6220, -6.7156, 7.3475
Hunter-Lab	96.1499, -3.7376, 11.6362

# Details

The Yxy color 92.4480, 0.3266, 0.3407 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.6704, 0.2993, 0.3170, and the grayscale version is 92.7304, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.5753, 0.3296, 0.3440 is the 20% darker color. If you saturate the color by 10%, you get 84.2723, 0.3446, 0.3550, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

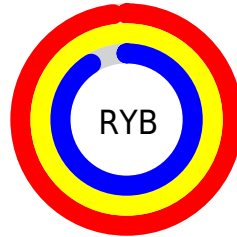
# Distribution



Red (100%)

Green (96%)

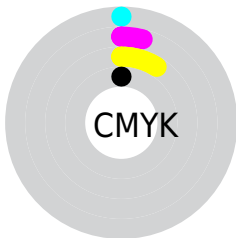
Blue (91%)



Red (98%)

Yellow (100%)

Blue (91%)

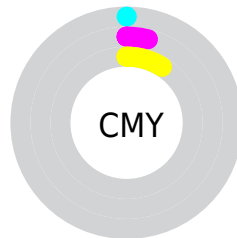


Cyan (0%)

Magenta (4%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.4480, 0.3266, 0.3407 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 92.4480, 0.3266, 0.3407 by changing the saturation by 10% instead.




 92.4480, 0.3266,  
0.3407

 92.4480, 0.3266,  
0.3407


535.9623, 0.3204,  
0.3355

 70.0128, 0.3280,  
0.3418


150.7342, 0.3245,  
0.3390

 51.5370, 0.3296,  
0.3432


187.3539, 0.3237,  
0.3383

 36.6361, 0.3316,  
0.3449


229.4706, 0.3230,  
0.3377

 24.9259, 0.3342,  
0.3470

277.4686, 0.3223,  
0.3371

 16.0218, 0.3377,  
0.3499

331.7325, 0.3218,  
0.3367

 9.5396, 0.3424,  
0.3537

392.6464, 0.3213,

 5.0948, 0.3493,

0.3362

0.3594

460.5949, 0.3208,  
0.3359

■ 2.3030, 0.3604,  
0.3683

■ 0.7753, 0.4046,  
0.4070

■ 92.4480, 0.3266,  
0.3407

■ 92.4480, 0.3266,  
0.3407

■ 84.2723, 0.3446,  
0.3550

100.0000, 0.3127,  
0.3290

■ 76.7417, 0.3649,  
0.3697

■ 69.8284, 0.3874,  
0.3844

■ 63.5136, 0.4117,  
0.3984

■ 57.7770, 0.4374,  
0.4105

■ 52.5969, 0.4632,  
0.4196

■ 47.9493, 0.4879,  
0.4244

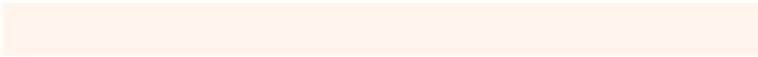
■ 43.8073, 0.5099,  
0.4239

■ 40.1364, 0.5280,  
0.4181

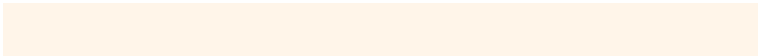
# Harmonies

## Analogous

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



92.4480, 0.3282, 0.3356



92.4480, 0.3266, 0.3407



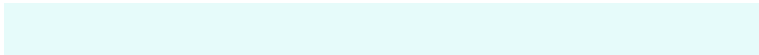
92.4480, 0.3213, 0.3428

# Triad

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



92.4480, 0.3266, 0.3407



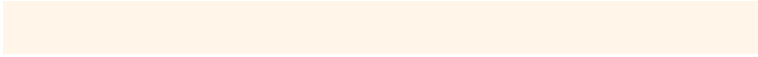
92.4480, 0.3000, 0.3290



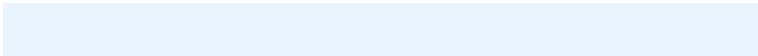
92.4480, 0.3116, 0.3174

# Complementary

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



92.4480, 0.3266, 0.3407



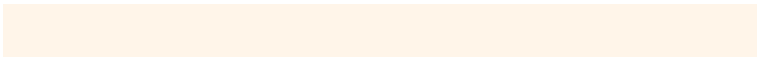
88.6704, 0.2993, 0.3170

# Split Complementary

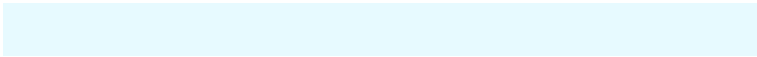
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.4480, 0.3041, 0.3156



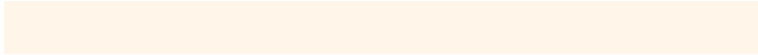
92.4480, 0.3266, 0.3407



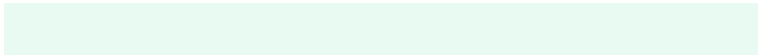
92.4480, 0.2975, 0.3222

# Square

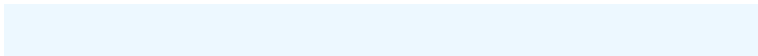
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.4480, 0.3266, 0.3407



92.4480, 0.3059, 0.3360



92.4480, 0.2990, 0.3173

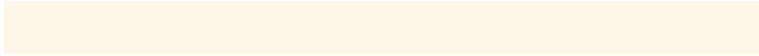


92.4480, 0.3195, 0.3222



# Rectangle

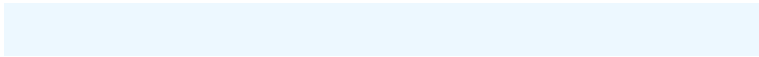
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.4480, 0.3266, 0.3407



92.4480, 0.3163, 0.3420



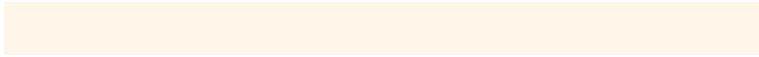
92.4480, 0.2990, 0.3173



92.4480, 0.3090, 0.3164

# Sweetspot

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



92.4382, 0.3266, 0.3407



97.3126, 0.3174, 0.3330



86.0365, 0.3211, 0.3190



20.6773, 0.3186, 0.3341



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

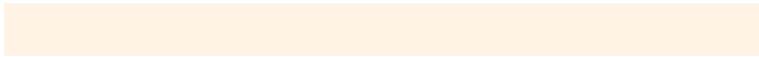


# Same Dimension

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



92.4382, 0.3266, 0.3407



91.2728, 0.3289, 0.3426



98.5256, 0.3251, 0.3503



19.6254, 0.3281, 0.3419



21.0266, 0.5281, 0.4189

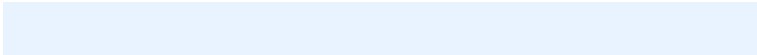


2.2658, 0.5123, 0.4315

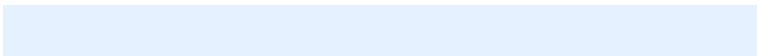


# Inverse Universe

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



88.6704, 0.2993, 0.3170



86.9432, 0.2971, 0.3150



82.9592, 0.2998, 0.3069



18.7416, 0.2979, 0.3157



10.6157, 0.1730, 0.1429

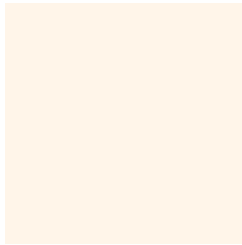


1.2488, 0.1790, 0.1645



# Previews

## White Background



This preview shows how the Yxy color 92.4480, 0.3266, 0.3407 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

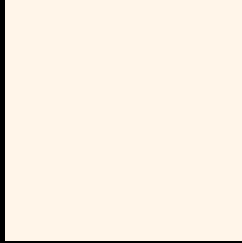
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.4480, 0.3266, 0.3407 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

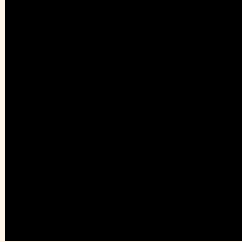
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 92.4480, 0.3266, 0.3407**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.4480, 0.3266, 0.3407.

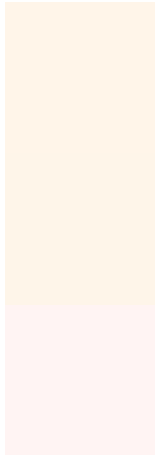


This preview shows how white text looks on a background with the Yxy color 92.4480, 0.3266, 0.3407.

# 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

92.4480, 0.3266, 0.3407

### Protanopia

92.2588, 0.3259, 0.3408

### Deuteranopia

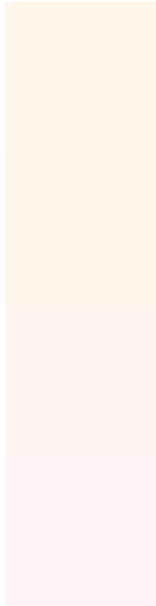
92.4324, 0.3205, 0.3300



## Tritanopia

92.3920, 0.3126, 0.3175

# Trichromacy



## Original Color

92.4480, 0.3266, 0.3407

## Protanomaly

92.2588, 0.3259, 0.3408

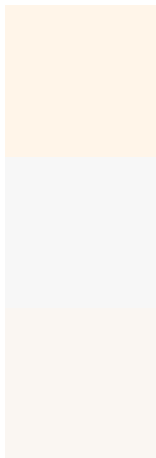
## Deuteranomaly

92.1934, 0.3229, 0.3339

## Tritanomaly

92.4876, 0.3174, 0.3261

# Monochromacy



## Original Color

92.4480, 0.3266, 0.3407

## Achromatopsia

93.0111, 0.3127, 0.3290

## Achromatomaly

92.6463, 0.3177, 0.3329

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  92.4480, 0.3266, 0.3407 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  $rgb(255, 245, 233)$  looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 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, 245, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 92.4480, 0.3266, 0.3407 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, 245, 233) }
```

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

```
.border{ border-color:rgb(255, 245, 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, 245, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 245, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 245, 233); box-shadow:4px 4px 4px 4px rgb(255, 245, 233) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.4480, 0.3266, 0.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 233) }
```

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

```
.background{ background-color: rgb(255,  
245, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor