

# Converting Colors

$Yxy(89.3273, 0.3450, 0.3668)$

Have a look what the booklet for  
Yxy(89.3273, 0.3450, 0.3668)  
contains.

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# Color

**Yxy(89.1239, 0.3453, 0.3669)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF2CC
RGB	255, 242, 204
RGB Percent	100%, 95%, 80%
CMY	0.0002, 0.0509, 0.2000
CMYK	0.00, 0.05, 0.20, 0.00
HSL	45°, 100%, 90%
HSV	45°, 20%, 100%
XYZ	83.8770, 89.1239, 69.9097
YIQ	241.5550, 19.9460, -9.0620

# Conversions

## Conversions Part 2

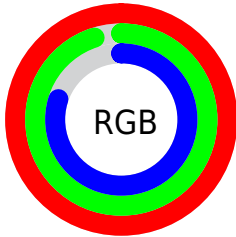
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 255, 204
Decimal	16773836
CIE Lab	95.63, -1.58, 19.93
CIE LCh	96, 19.992, 94.537
Yxy	89.1239, 0.3453, 0.3669
Android (android.graphics.Color)	4294963916 (0xFFFFF2CC)
YUV	241.5550, -18.5146, 11.7913
Hunter-Lab	94.4055, -6.6165, 22.1780

# Details

The Yxy color **89.1239, 0.3453, 0.3669** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.6436, 0.2801, 0.2880**, and the grayscale version is **88.5581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3256, 0.3522, 0.3748** is the 20% darker color. If you saturate the color by 10%, you get **84.2197, 0.3634, 0.3866**, and if you desaturate by 10%, it is **94.3725, 0.3283, 0.3476**.

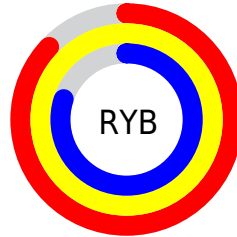
# Distribution



Red (100%)

Green (95%)

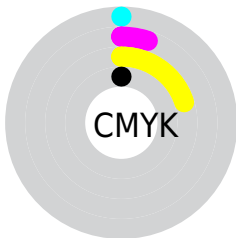
Blue (80%)



Red (87%)

Yellow (100%)

Blue (80%)

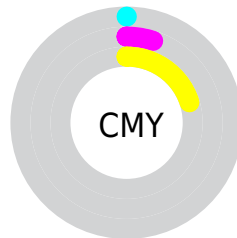


Cyan (0%)

Magenta (5%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.1239, 0.3453, 0.3669 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 89.1239, 0.3453, 0.3669 by changing the saturation by 10% instead.




 89.1239, 0.3453,  
0.3669

 89.1239, 0.3453,  
0.3669

525.1768, 0.3308,  
0.3500

 67.2542, 0.3485,  
0.3706

146.1209, 0.3404,  
0.3611

 49.2913, 0.3523,  
0.3751


182.0169, 0.3385,  
0.3589

 34.8506, 0.3570,  
0.3807


223.3573, 0.3368,  
0.3569

 23.5478, 0.3630,  
0.3879

270.5263, 0.3353,  
0.3552

 14.9985, 0.3708,  
0.3972

323.9084, 0.3340,  
0.3536

 8.8183, 0.3814,  
0.4099

383.8879, 0.3328,

 4.6229, 0.3962,

0.3523

0.4281

450.8492, 0.3318,  
0.3511

■ 2.0277, 0.4249,  
0.4630

■ 0.6235, 0.4705,  
0.5295

■ 89.1239, 0.3453,  
0.3669

■ 89.1239, 0.3453,  
0.3669

■ 84.2197, 0.3634,  
0.3866

■ 94.3725, 0.3283,  
0.3476

■ 79.6369, 0.3823,  
0.4059

99.9639, 0.3127,  
0.3290

■ 75.3675, 0.4015,  
0.4239

99.9902, 0.3127,  
0.3290

■ 71.3984, 0.4201,  
0.4397

■ 67.7154, 0.4374,  
0.4521

■ 64.3021, 0.4524,  
0.4601

■ 61.1394, 0.4646,  
0.4633

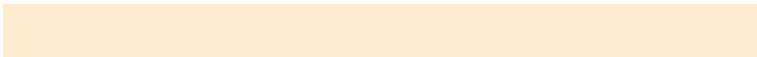
■ 58.1970, 0.4738,  
0.4620

■ 58.1920, 0.4739,  
0.4620

# Harmonies

## Analogous

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



89.1239, 0.3564, 0.3555



89.1239, 0.3453, 0.3669



89.1239, 0.3256, 0.3680

# Triad

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



89.1239, 0.3453, 0.3669



89.1239, 0.2719, 0.3176



89.1239, 0.3214, 0.3028

# Complementary

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



89.1239, 0.3453, 0.3669



69.6436, 0.2801, 0.2880

# Split Complementary

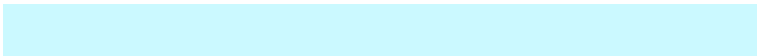
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.1239, 0.2987, 0.2931



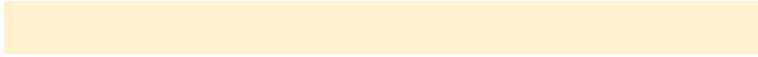
89.1239, 0.3453, 0.3669



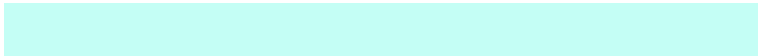
89.1239, 0.2708, 0.3007

# Square

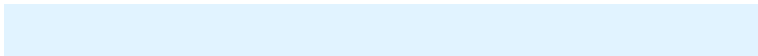
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.1239, 0.3453, 0.3669



89.1239, 0.2835, 0.3386



89.1239, 0.2804, 0.2921



89.1239, 0.3424, 0.3189

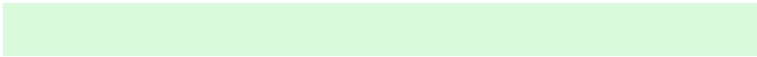


# Rectangle

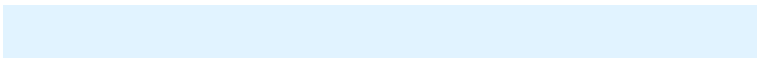
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.1239, 0.3453, 0.3669



89.1239, 0.3105, 0.3622



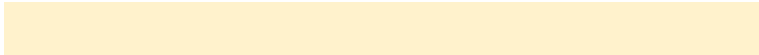
89.1239, 0.2804, 0.2921



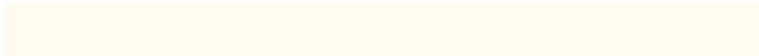
89.1239, 0.3137, 0.2987

# Sweetspot

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



89.1279, 0.3453, 0.3669



96.6017, 0.3219, 0.3400



69.4781, 0.3422, 0.3153



20.5992, 0.3230, 0.3413



0.0000, 0.0000, 0.0000

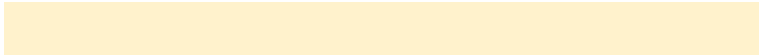


21.4041, 0.3127, 0.3290



# Same Dimension

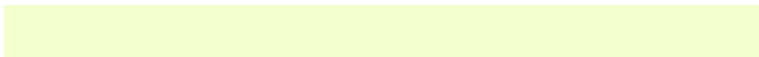
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.1279, 0.3453, 0.3669



87.1563, 0.3525, 0.3748



94.9122, 0.3351, 0.3803



20.2644, 0.3275, 0.3466



30.6721, 0.4728, 0.4628



3.1610, 0.4653, 0.4687



# Inverse Universe

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



69.6436, 0.2801, 0.2880



64.4245, 0.2730, 0.2786



64.9864, 0.2873, 0.2749



18.1266, 0.2979, 0.3107



5.9295, 0.1581, 0.0892



0.7431, 0.1639, 0.1101



# Previews

## White Background



This preview shows how the Yxy color 89.1239, 0.3453, 0.3669 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

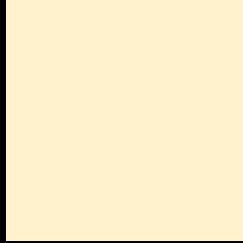
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.1239, 0.3453, 0.3669 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

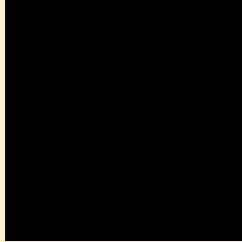
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 89.1239, 0.3453, 0.3669**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.1239, 0.3453, 0.3669.



This preview shows how white text looks on a background with the Yxy color 89.1239, 0.3453, 0.3669.

# 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

89.1239, 0.3453, 0.3669

### Protanopia

89.2205, 0.3441, 0.3649

### Deuteranopia

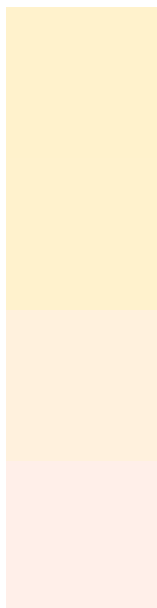
89.3497, 0.3283, 0.3379



## Tritanopia

89.3112, 0.3166, 0.3174

# Trichromacy



## Original Color

89.1239, 0.3453, 0.3669

## Protanomaly

89.1720, 0.3447, 0.3659

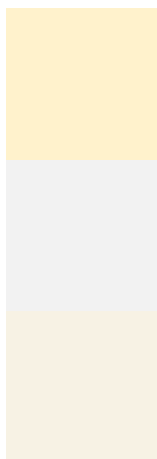
## Deuteranomaly

89.3911, 0.3346, 0.3488

## Tritanomaly

88.8762, 0.3272, 0.3349

# Monochromacy



## Original Color

89.1239, 0.3453, 0.3669

## Achromatopsia

88.7923, 0.3127, 0.3290

## Achromatomaly

88.8799, 0.3246, 0.3430

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.1239, 0.3453, 0.3669 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, 242, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 204)  
}
```

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, 242, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 89.1239, 0.3453, 0.3669 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, 242, 204) }
```

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

```
.border{ border-color:rgb(255, 242, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.1239, 0.3453, 0.3669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 204) }
```

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

```
.background{ background-color: rgb(255,  
242, 204) }
```

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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