

# Converting Colors

Yxy(86.9667, 0.3364, 0.3669)

Have a look what the booklet for  
Yxy(86.9667, 0.3364, 0.3669)  
contains.

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# Color

**Yxy(86.9667, 0.3364, 0.3669)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3F2CD
RGB	243, 242, 205
RGB Percent	95%, 95%, 80%
CMY	0.0470, 0.0510, 0.1962
CMYK	0.00, 0.00, 0.16, 0.05
HSL	58°, 61%, 88%
HSV	58°, 16%, 95%
XYZ	79.7373, 86.9667, 70.3271
YIQ	238.0810, 12.4730, -11.2950

# Conversions

## Conversions Part 2

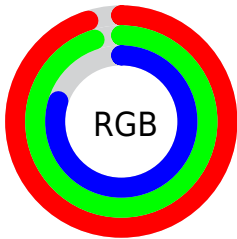
Format	Color
R <sub>Y</sub> B	206, 243, 205
Decimal	15987405
CIE Lab	94.72, -5.69, 18.02
CIE LCh	95, 18.899, 107.527
Yxy	86.9667, 0.3364, 0.3669
Android (android.graphics.Color)	4294177485 (0xFFFF3F2CD)
YUV	238.0810, -16.3089, 4.3140
Hunter-Lab	93.2559, -10.5738, 20.5668

# Details

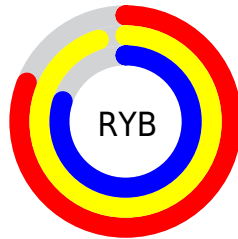
The Yxy color **86.9667, 0.3364, 0.3669** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.5920, 0.2873, 0.2881**, and the grayscale version is **85.6910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.9170, 0.3415, 0.3750** is the 20% darker color. If you saturate the color by 10%, you get **85.4988, 0.3519, 0.3916**, and if you desaturate by 10%, it is **88.6259, 0.3211, 0.3425**.

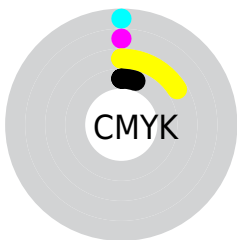
# Distribution



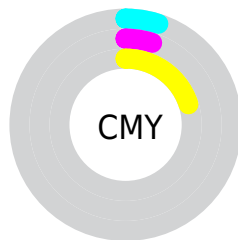
- Red (95%)
- Green (95%)
- Blue (80%)



- Red (81%)
- Yellow (95%)
- Blue (80%)



- Cyan (0%)
- Magenta (0%)
- Yellow (16%)
- Black (5%)




- Cyan (5%)
- Magenta (5%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.9667, 0.3364, 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 86.9667, 0.3364, 0.3669 by changing the saturation by 10% instead.




 86.9667, 0.3364,  
0.3669

 86.9667, 0.3364,  
0.3669


518.1134, 0.3259,  
0.3497

 65.4676, 0.3387,  
0.3707


143.1177, 0.3328,  
0.3610

 47.8404, 0.3415,  
0.3754


178.5385, 0.3314,  
0.3587

 33.7005, 0.3449,  
0.3813


219.3686, 0.3302,  
0.3567

 22.6636, 0.3492,  
0.3888

265.9925, 0.3291,  
0.3550

 14.3453, 0.3548,  
0.3988

318.7945, 0.3282,  
0.3534

 8.3612, 0.3624,  
0.4127

378.1591, 0.3273,

 4.3269, 0.3730,

0.3521

0.4332

444.4706, 0.3266,  
0.3508

■ 1.8581, 0.3948,  
0.4739

■ 0.5230, 0.4065,  
0.5935

■ 86.9667, 0.3364,  
0.3669

■ 86.9667, 0.3364,  
0.3669

■ 85.4988, 0.3519,  
0.3916

■ 88.6259, 0.3211,  
0.3425

■ 84.2023, 0.3672,  
0.4158

■ 90.4729, 0.3064,  
0.3189

■ 83.0721, 0.3817,  
0.4385

■ 90.9558, 0.3056,  
0.3182

■ 82.0983, 0.3947,  
0.4587

■ 91.3493, 0.3056,  
0.3188

81.2699, 0.4057,  
0.4755

91.7441, 0.3056,  
0.3195

80.5746, 0.4142,  
0.4882

92.1404, 0.3055,  
0.3201

79.9980, 0.4200,  
0.4965

92.5380, 0.3055,  
0.3207

79.5224, 0.4233,  
0.5005

92.9370, 0.3055,  
0.3214

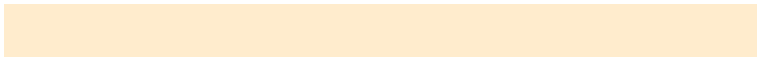
79.3353, 0.4241,  
0.5014

93.3375, 0.3055,  
0.3220

# Harmonies

## Analogous

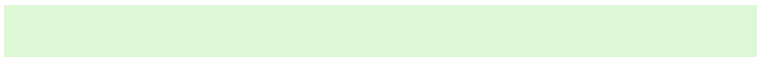
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9667, 0.3510, 0.3600



86.9667, 0.3364, 0.3669



86.9667, 0.3157, 0.3631

# Triad

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



86.9667, 0.3364, 0.3669



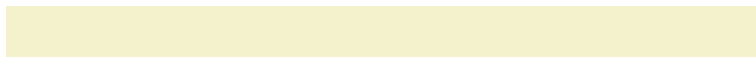
86.9667, 0.2720, 0.3104



86.9667, 0.3302, 0.3101

# Complementary

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



86.9667, 0.3364, 0.3669



63.5920, 0.2873, 0.2881

# Split Complementary

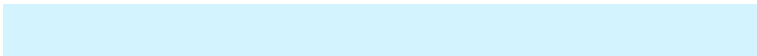
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.9667, 0.3086, 0.2978



86.9667, 0.3364, 0.3669



86.9667, 0.2755, 0.2974

# Square

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



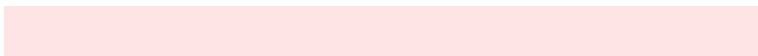
86.9667, 0.3364, 0.3669



86.9667, 0.2789, 0.3294



86.9667, 0.2886, 0.2931



86.9667, 0.3475, 0.3272

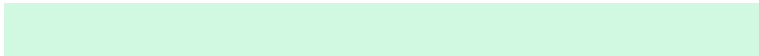


# Rectangle

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



86.9667, 0.3364, 0.3669



86.9667, 0.3014, 0.3546



86.9667, 0.2886, 0.2931



86.9667, 0.3232, 0.3053

# Sweetspot

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



86.9705, 0.3364, 0.3669



98.9875, 0.3201, 0.3409



67.1800, 0.3413, 0.3277



21.1579, 0.3212, 0.3426



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

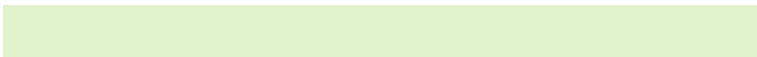
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9705, 0.3364, 0.3669



96.4355, 0.3417, 0.3753



84.5727, 0.3241, 0.3694



19.2327, 0.3269, 0.3518



43.5666, 0.4241, 0.5015



3.8528, 0.4234, 0.5020



# Inverse Universe

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



63.5920, 0.2873, 0.2881



65.4600, 0.2811, 0.2781



65.7710, 0.2998, 0.2884



15.9980, 0.2979, 0.3052



3.6601, 0.1505, 0.0617

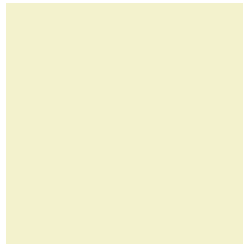


0.3463, 0.1516, 0.0659



# Previews

## White Background



This preview shows how the Yxy color 86.9667, 0.3364, 0.3669 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

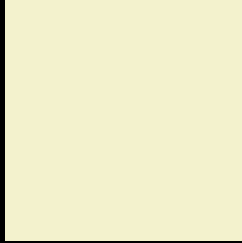
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.9667, 0.3364, 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

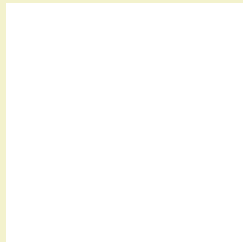
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.9667, 0.3364, 0.3669**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.9667, 0.3364, 0.3669.

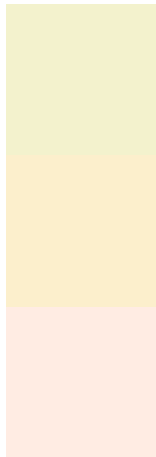


This preview shows how white text looks on a background with the Yxy color 86.9667, 0.3364, 0.3669.

# 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

86.9667, 0.3364, 0.3669

### Protanopia

86.7881, 0.3438, 0.3643

### Deuteranopia

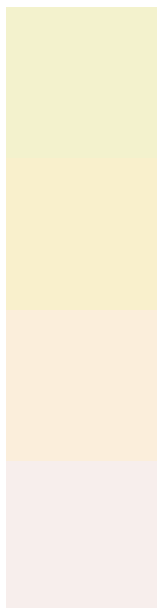
86.7970, 0.3313, 0.3379



## Tritanopia

86.8964, 0.3109, 0.3105

# Trichromacy



## Original Color

86.9667, 0.3364, 0.3669

## Protanomaly

86.8195, 0.3415, 0.3655

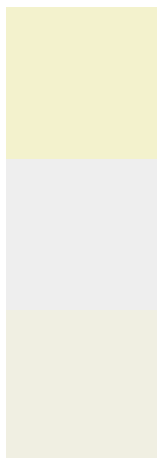
## Deuteranomaly

86.7728, 0.3335, 0.3481

## Tritanomaly

86.9794, 0.3200, 0.3310

# Monochromacy



## Original Color

86.9667, 0.3364, 0.3669

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

85.7493, 0.3214, 0.3423

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.9667, 0.3364, 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(243, 242, 205)` looks like.

```
.text, #text, p{  
    color:rgb(243, 242, 205)  
}
```

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(243, 242, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 242, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 86.9667, 0.3364, 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(243, 242, 205) }
```

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

```
.border{ border-color:rgb(243, 242, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 242, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 242, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 242, 205);  
box-shadow:4px 4px 4px 4px rgb(243, 242,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.9667, 0.3364, 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(243, 242, 205) }
```

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

```
.background{ background-color: rgb(243,  
242, 205) }
```

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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