

# Converting Colors

Yxy(84.4420, 0.3829, 0.4321)

Have a look what the booklet for  
Yxy(84.4420, 0.3829, 0.4321)  
contains.

<b>Yxy(84.2661, 0.3833, 0.4321)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(84.2661, 0.3833, 0.4321)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9F089
RGB	249, 240, 137
RGB Percent	98%, 94%, 54%
CMY	0.0234, 0.0588, 0.4627
CMYK	0.00, 0.04, 0.45, 0.02
HSL	55°, 90%, 76%
HSV	55°, 45%, 98%
XYZ	74.7494, 84.2661, 35.9998
YIQ	230.9490, 38.4270, -30.1250

# Conversions

## Conversions Part 2

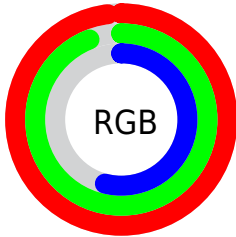
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	147, 249, 137
Decimal	16380041
CIE <sub>Lab</sub>	93.57, -10.74, 50.61
CIE <sub>LCh</sub>	94, 51.739, 101.986
Yxy	84.2661, 0.3833, 0.4321
Android (android.graphics.Color)	4294570121 (0xFFFF9F089)
YUV	230.9490, -46.3169, 15.8307
Hunter-Lab	91.7966, -15.2926, 41.0059

# Details

The Yxy color **84.2661, 0.3833, 0.4321** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **32.7332, 0.2294, 0.1991**, and the grayscale version is **80.2067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5858, 0.3502, 0.3910**, and **45.9974, 0.3968, 0.4538** is the 20% darker color. If you saturate the color by 10%, you get **82.4610, 0.3977, 0.4519**, and if you desaturate by 10%, it is **86.2569, 0.3677, 0.4101**.

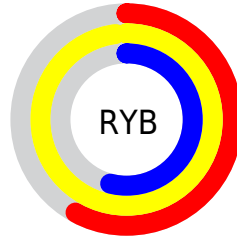
# Distribution



Red (98%)

Green (94%)

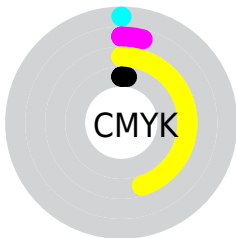
Blue (54%)



Red (58%)

Yellow (98%)

Blue (54%)

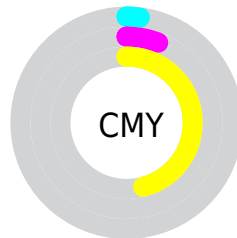


Cyan (0%)

Magenta (4%)

Yellow (45%)

Black (2%)



Cyan (2%)

Magenta (6%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.2661, 0.3833, 0.4321 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 84.2661, 0.3833, 0.4321 by changing the saturation by 10% instead.




 84.2661, 0.3833,  
0.4321


 84.2661, 0.3833,  
0.4321


509.1965, 0.3533,  
0.3860


 63.2352, 0.3893,  
0.4420


 139.3473, 0.3735,  
0.4166

 46.0315, 0.3962,  
0.4537


 174.1664, 0.3695,  
0.4104

 32.2707, 0.4042,  
0.4678


 214.3504, 0.3660,  
0.4050

 21.5683, 0.4131,  
0.4849

260.2836, 0.3629,  
0.4003

 13.5401, 0.4227,  
0.5055

312.3504, 0.3601,  
0.3961

 7.8015, 0.4332,  
0.5321

370.9352, 0.3576,

 3.9682, 0.4388,

0.3923

0.5612

436.4224, 0.3553,  
0.3890

■ 1.6558, 0.4219,  
0.5781

■ 0.3948, 0.2224,  
0.7776

■ 84.2661, 0.3833,  
0.4321

■ 84.2661, 0.3833,  
0.4321

■ 82.4610, 0.3977,  
0.4519

■ 86.2569, 0.3677,  
0.4101

■ 80.8185, 0.4103,  
0.4684

■ 88.4323, 0.3517,  
0.3869

■ 79.3294, 0.4205,  
0.4809


■ 90.8056, 0.3357,  
0.3634

■ 77.9785, 0.4280,  
0.4890


■ 93.3859, 0.3202,  
0.3402

 76.7472, 0.4328,  
0.4926

 95.7534, 0.3092,  
0.3242

 76.1601, 0.4345,  
0.4932

 97.0071, 0.3091,  
0.3261

 98.2741, 0.3091,  
0.3281

 98.8837, 0.3090,  
0.3290

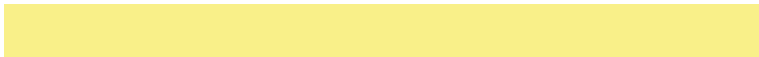
# Harmonies

## Analogous

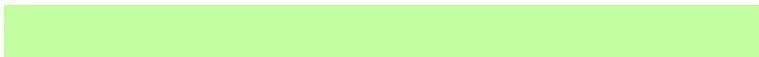
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2661, 0.4217, 0.4015



84.2661, 0.3833, 0.4321



84.2661, 0.3280, 0.4336

# Triad

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



84.2661, 0.3833, 0.4321



84.2661, 0.2081, 0.2825



84.2661, 0.3487, 0.2725

# Complementary

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



84.2661, 0.3833, 0.4321



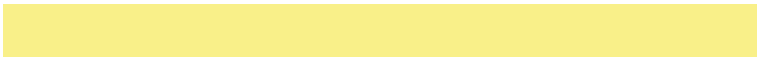
32.7332, 0.2294, 0.1991

# 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.



84.2661, 0.2885, 0.2455



84.2661, 0.3833, 0.4321



84.2661, 0.2123, 0.2477

# Square

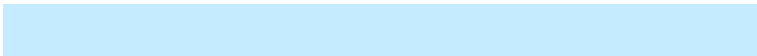
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.2661, 0.3833, 0.4321



84.2661, 0.2284, 0.3376



84.2661, 0.2400, 0.2361



84.2661, 0.4027, 0.3122

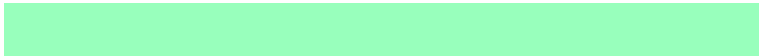


# Rectangle

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



84.2661, 0.3833, 0.4321



84.2661, 0.2894, 0.4131



84.2661, 0.2400, 0.2361



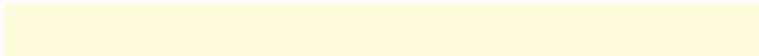
84.2661, 0.3283, 0.2618

# Sweetspot

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



84.2700, 0.3833, 0.4321



96.3537, 0.3326, 0.3588



40.1281, 0.4237, 0.3194



20.4992, 0.3361, 0.3639



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

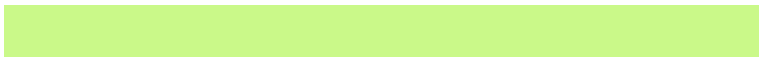
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2700, 0.3833, 0.4321



87.1965, 0.3965, 0.4502



82.1778, 0.3468, 0.4534



19.9373, 0.3271, 0.3506



40.8589, 0.4342, 0.4935



3.8530, 0.4322, 0.4950



# Inverse Universe

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



32.7332, 0.2294, 0.1991



26.5639, 0.2104, 0.1684



34.8908, 0.2620, 0.1998



16.8676, 0.2979, 0.3065



4.0085, 0.1514, 0.0651

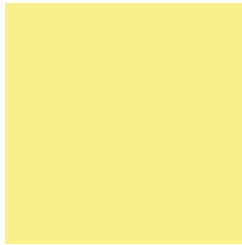


0.4461, 0.1546, 0.0765



# Previews

## White Background



This preview shows how the Yxy color 84.2661, 0.3833, 0.4321 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

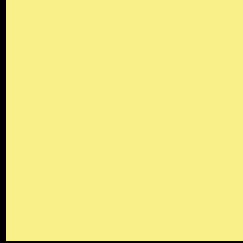
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.2661, 0.3833, 0.4321 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

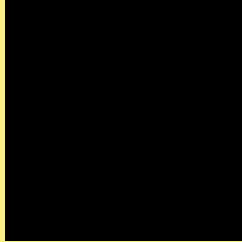
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.2661, 0.3833, 0.4321**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.2661, 0.3833, 0.4321.

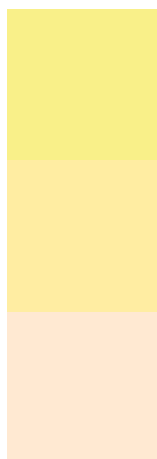


This preview shows how white text looks on a background with the Yxy color 84.2661, 0.3833, 0.4321.

# 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

84.2661, 0.3833, 0.4321

### Protanopia

84.4370, 0.3737, 0.4043

### Deuteranopia

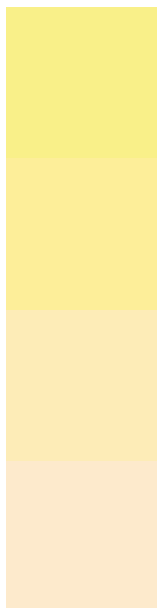
84.1910, 0.3430, 0.3521



## Tritanopia

84.3247, 0.3215, 0.3163

# Trichromacy



## Original Color

84.2661, 0.3833, 0.4321

## Protanomaly

84.3316, 0.3775, 0.4143

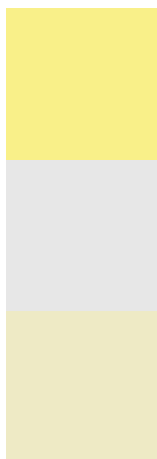
## Deuteranomaly

84.2924, 0.3589, 0.3827

## Tritanomaly

84.0879, 0.3454, 0.3593

# Monochromacy



## Original Color

84.2661, 0.3833, 0.4321

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

81.0540, 0.3393, 0.3679

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.2661, 0.3833, 0.4321 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(249, 240, 137)` looks like.

```
.text, #text, p{  
    color:rgb(249, 240, 137)  
}
```

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(249, 240, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 240, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 84.2661, 0.3833, 0.4321 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(249, 240, 137) }
```

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

```
.border{ border-color:rgb(249, 240, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 240, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 240, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 240, 137);  
box-shadow:4px 4px 4px 4px rgb(249, 240,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.2661, 0.3833, 0.4321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 240, 137) }
```

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

```
.background{ background-color: rgb(249,  
240, 137) }
```

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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