

# Converting Colors

$Yxy(87.6203, 0.3697, 0.4055)$

Have a look what the booklet for  
Yxy(87.6203, 0.3697, 0.4055)  
contains.

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# Color

**Yxy(87.5174, 0.3695, 0.4049)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF2A6
RGB	255, 242, 166
RGB Percent	100%, 95%, 65%
CMY	0.0001, 0.0509, 0.3490
CMYK	0.00, 0.05, 0.35, 0.00
HSL	51°, 100%, 83%
HSV	51°, 35%, 100%
XYZ	79.8658, 87.5174, 48.7625
YIQ	237.2230, 32.1440, -20.8800

# Conversions

## Conversions Part 2

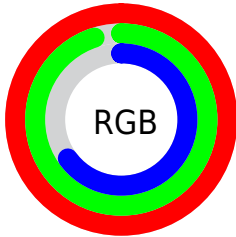
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 255, 166
Decimal	16773798
CIE <sub>Lab</sub>	94.96, -6.44, 38.29
CIE <sub>LCh</sub>	95, 38.828, 99.552
Yxy	87.5174, 0.3695, 0.4049
Android (android.graphics.Color)	4294963878 (0xFFFFF2A6)
YUV	237.2230, -35.1129, 15.5904
Hunter-Lab	93.5507, -11.3253, 34.5811

# Details

The Yxy color **87.5174, 0.3695, 0.4049** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.5481, 0.2512, 0.2395**, and the grayscale version is **85.1257, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **48.1804, 0.3809, 0.4213** is the 20% darker color. If you saturate the color by 10%, you get **84.4896, 0.3863, 0.4258**, and if you desaturate by 10%, it is **90.7835, 0.3525, 0.3830**.

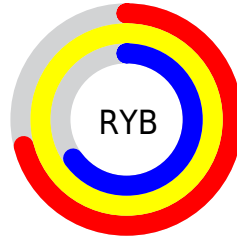
# Distribution



Red (100%)

Green (95%)

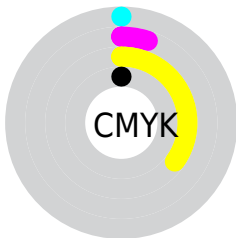
Blue (65%)



Red (71%)

Yellow (100%)

Blue (65%)

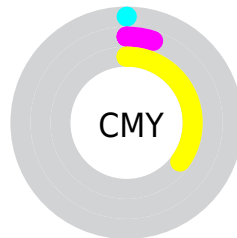


Cyan (0%)

Magenta (5%)

Yellow (35%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.5174, 0.3695, 0.4049 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 87.5174, 0.3695, 0.4049 by changing the saturation by 10% instead.





 87.5174, 0.3695,  
0.4049

 87.5174, 0.3695,  
0.4049


519.9215, 0.3448,  
0.3710

 65.9235, 0.3747,  
0.4123


 143.8851, 0.3613,  
0.3934

 48.2103, 0.3809,  
0.4211


 179.4276, 0.3580,  
0.3889

 33.9934, 0.3883,  
0.4320

220.3885, 0.3551,  
0.3849

 22.8886, 0.3972,  
0.4455

267.1521, 0.3525,  
0.3814

 14.5112, 0.4081,  
0.4625

320.1028, 0.3503,  
0.3784

 8.4771, 0.4210,  
0.4843

379.6250, 0.3482,

 4.4017, 0.4415,

0.3756

0.5194

446.1031, 0.3464,  
0.3732

■ 1.9007, 0.4503,  
0.5497

■ 0.5488, 0.3990,  
0.6010

■ 87.5174, 0.3695,  
0.4049

■ 87.5174, 0.3695,  
0.4049

■ 84.4896, 0.3863,  
0.4258

■ 90.7835, 0.3525,  
0.3830

■ 81.6768, 0.4024,  
0.4447

■ 94.2864, 0.3359,  
0.3609

■ 79.0705, 0.4169,  
0.4605

■ 98.0395, 0.3201,  
0.3393

■ 76.6569, 0.4293,  
0.4723

99.9933, 0.3127,  
0.3290

■ 74.4196, 0.4389,  
0.4796

■ 72.3386, 0.4456,  
0.4823

■ 71.3211, 0.4481,  
0.4824

# Harmonies

## Analogous

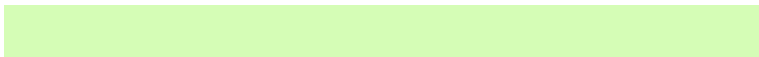
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5174, 0.3957, 0.3829



87.5174, 0.3695, 0.4049



87.5174, 0.3290, 0.4058

# Triad

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



87.5174, 0.3695, 0.4049



87.5174, 0.2336, 0.2984



87.5174, 0.3363, 0.2840

# Complementary

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



87.5174, 0.3695, 0.4049



47.5481, 0.2512, 0.2395

# 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.



87.5174, 0.2917, 0.2639



87.5174, 0.3695, 0.4049



87.5174, 0.2352, 0.2697

# Square

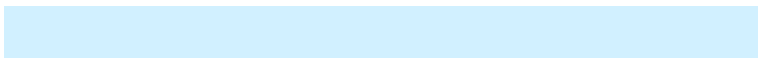
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.5174, 0.3695, 0.4049



87.5174, 0.2515, 0.3398



87.5174, 0.2556, 0.2583



87.5174, 0.3766, 0.3145

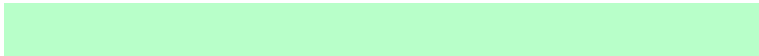


# Rectangle

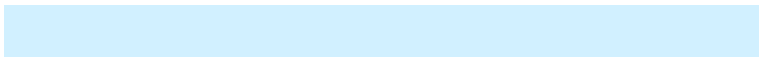
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.5174, 0.3695, 0.4049



87.5174, 0.2997, 0.3920



87.5174, 0.2556, 0.2583



87.5174, 0.3212, 0.2759

# Sweetspot

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



87.5214, 0.3695, 0.4049



96.1199, 0.3281, 0.3502



51.7978, 0.3836, 0.3152



20.4613, 0.3303, 0.3533



0.0000, 0.0000, 0.0000

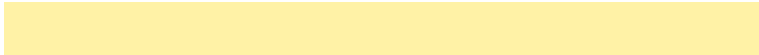


21.4041, 0.3127, 0.3290



# Same Dimension

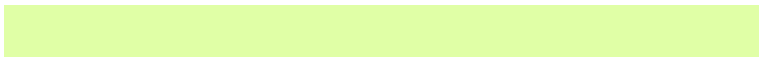
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5214, 0.3695, 0.4049



85.3694, 0.3815, 0.4199



90.0711, 0.3442, 0.4229



20.6135, 0.3273, 0.3491



37.4505, 0.4476, 0.4828



3.7640, 0.4439, 0.4858



# Inverse Universe

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



47.5481, 0.2512, 0.2395



39.8746, 0.2369, 0.2175



46.3829, 0.2713, 0.2299



17.8042, 0.2979, 0.3080



4.5954, 0.1532, 0.0715



0.5687, 0.1578, 0.0881



# Previews

## White Background



This preview shows how the Yxy color 87.5174, 0.3695, 0.4049 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

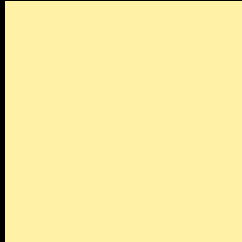
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.5174, 0.3695, 0.4049 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

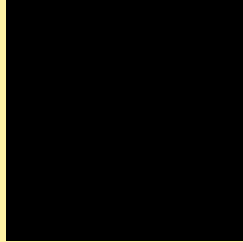
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 87.5174, 0.3695, 0.4049**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.5174, 0.3695, 0.4049.



This preview shows how white text looks on a background with the Yxy color 87.5174, 0.3695, 0.4049.

# 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

87.5174, 0.3695, 0.4049

### Protanopia

87.2543, 0.3555, 0.3802

### Deuteranopia

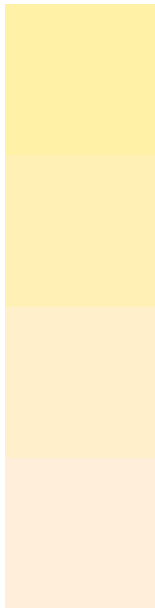
87.6830, 0.3343, 0.3449



## Tritanopia

87.3305, 0.3192, 0.3183

# Trichromacy



## Original Color

87.5174, 0.3695, 0.4049

## Protanomaly

87.5068, 0.3604, 0.3891

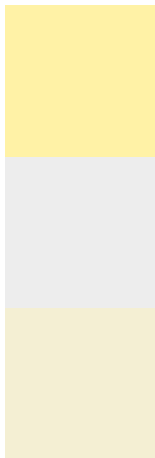
## Deuteranomaly

87.2573, 0.3472, 0.3660

## Tritanomaly

87.4188, 0.3376, 0.3499

# Monochromacy



## Original Color

87.5174, 0.3695, 0.4049

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

85.6692, 0.3337, 0.3576

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.5174, 0.3695, 0.4049 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, 166)` looks like.

```
.text, #text, p{  
  color:rgb(255, 242, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 87.5174, 0.3695, 0.4049 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, 166) }
```

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

```
.border{ border-color:rgb(255, 242, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.5174, 0.3695, 0.4049 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, 166) }
```

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

```
.background{ background-color: rgb(255,  
242, 166) }
```

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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