

# Converting Colors

$Y_{xy}(100.0000, 0.4092, 0.4012)$

Have a look what the booklet for  
Yxy(100.0000, 0.4092, 0.4012)  
contains.

<b>Yxy(88.4994, 0.3726, 0.4125)</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(88.4994, 0.3726, 0.4125)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF4A0
RGB	255, 244, 160
RGB Percent	100%, 96%, 63%
CMY	0.0000, 0.0431, 0.3727
CMYK	0.00, 0.04, 0.37, 0.00
HSL	53°, 100%, 81%
HSV	53°, 37%, 100%
XYZ	79.9391, 88.4994, 46.1055
YIQ	237.7130, 33.5200, -23.7920

# Conversions

## Conversions Part 2

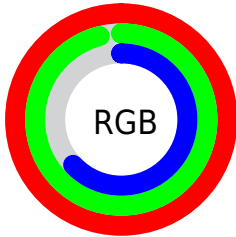
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 255, 160
Decimal	16774304
CIELab	95.37, -8.08, 41.83
CIELCh	95, 42.607, 100.933
Yxy	88.4994, 0.3726, 0.4125
Android (android.graphics.Color)	4294964384 (0xFFFFF4A0)
YUV	237.7130, -38.3125, 15.1607
Hunter-Lab	94.0741, -12.9501, 36.7940

# Details

The Yxy color **88.4994, 0.3726, 0.4125** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.7979, 0.2460, 0.2287**, and the grayscale version is **85.5451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **48.8983, 0.3843, 0.4304** is the 20% darker color. If you saturate the color by 10%, you get **85.9347, 0.3887, 0.4335**, and if you desaturate by 10%, it is **91.2746, 0.3560, 0.3902**.

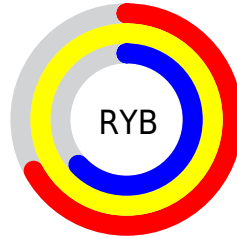
# Distribution



Red (100%)

Green (96%)

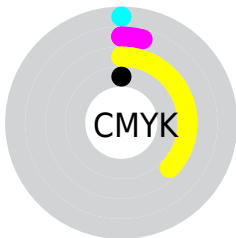
Blue (63%)



Red (67%)

Yellow (100%)

Blue (63%)

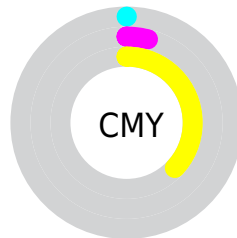


Cyan (0%)

Magenta (4%)

Yellow (37%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.4994, 0.3726, 0.4125 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 88.4994, 0.3726, 0.4125 by changing the saturation by 10% instead.



 88.4994, 0.3726,  
0.4125


 88.4994, 0.3726,  
0.4125


523.1373, 0.3468,  
0.3752

 66.7367, 0.3779,  
0.4205


 145.2522, 0.3641,  
0.3999

 48.8707, 0.3842,  
0.4302


 181.0112, 0.3606,  
0.3949

 34.5169, 0.3917,  
0.4420


222.2043, 0.3576,  
0.3906

 23.2910, 0.4006,  
0.4565

269.2161, 0.3549,  
0.3868

 14.8085, 0.4111,  
0.4747

322.4309, 0.3526,  
0.3834

 8.6851, 0.4229,  
0.4975

382.2331, 0.3504,


 4.5364, 0.4455,


0.3804


0.5387

449.0071, 0.3485,  
0.3777


 1.9779, 0.4414,  
0.5586


 0.5946, 0.3822,  
0.6178


 88.4994, 0.3726,  
0.4125


 88.4994, 0.3726,  
0.4125


 85.9347, 0.3887,  
0.4335

 91.2746, 0.3560,  
0.3902

 83.5706, 0.4036,  
0.4522

 94.2721, 0.3396,  
0.3674

 81.3938, 0.4168,  
0.4674

 97.5012, 0.3237,  
0.3449

 79.3900, 0.4275,  
0.4786

100.0000, 0.3127,  
0.3290

■ 77.5425, 0.4354,  
0.4851

■ 75.8295, 0.4406,  
0.4873

■ 75.3767, 0.4417,  
0.4875

# Harmonies

## Analogous

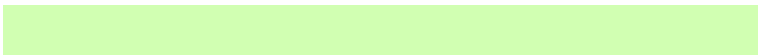
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4994, 0.4025, 0.3887



88.4994, 0.3726, 0.4125



88.4994, 0.3279, 0.4129

# Triad

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



88.4994, 0.3726, 0.4125



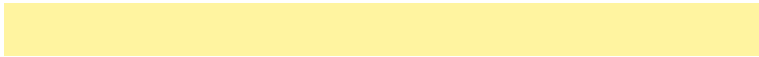
88.4994, 0.2265, 0.2934



88.4994, 0.3406, 0.2814

# Complementary

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



88.4994, 0.3726, 0.4125



43.7979, 0.2460, 0.2287

# 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.



88.4994, 0.2918, 0.2591



88.4994, 0.3726, 0.4125



88.4994, 0.2291, 0.2633

# Square

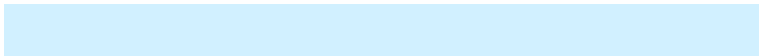
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.4994, 0.3726, 0.4125



88.4994, 0.2447, 0.3384



88.4994, 0.2520, 0.2521

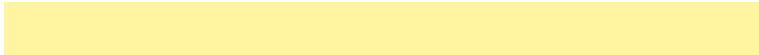


88.4994, 0.3842, 0.3146

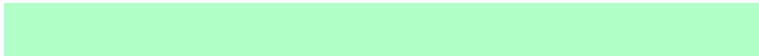


# Rectangle

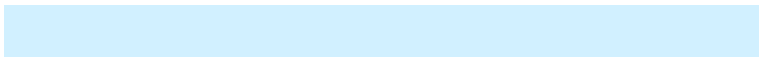
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.4994, 0.3726, 0.4125



88.4994, 0.2961, 0.3969



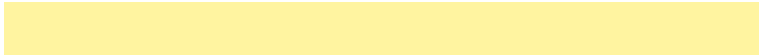
88.4994, 0.2520, 0.2521



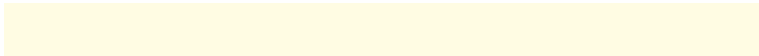
88.4994, 0.3241, 0.2725

# Sweetspot

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



88.4990, 0.3726, 0.4125



96.2697, 0.3296, 0.3532



49.3286, 0.3937, 0.3176



20.5116, 0.3317, 0.3562



0.0000, 0.0000, 0.0000

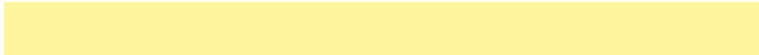


21.4041, 0.3127, 0.3290

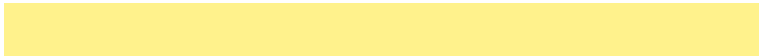


# Same Dimension

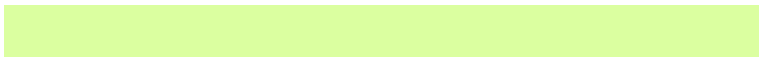
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.4990, 0.3726, 0.4125



86.4993, 0.3851, 0.4289



89.0495, 0.3440, 0.4304



20.7106, 0.3272, 0.3498



39.5290, 0.4413, 0.4878



3.9463, 0.4384, 0.4901



# Inverse Universe

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



43.7979, 0.2460, 0.2287



35.7731, 0.2301, 0.2038



44.1347, 0.2702, 0.2230



17.7161, 0.2979, 0.3073



4.3515, 0.1523, 0.0682



0.5275, 0.1563, 0.0826



# Previews

## White Background



This preview shows how the Yxy color 88.4994, 0.3726, 0.4125 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

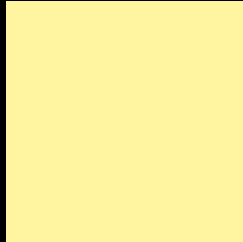
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.4994, 0.3726, 0.4125 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 88.4994, 0.3726, 0.4125**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.4994, 0.3726, 0.4125.



This preview shows how white text looks on a background with the Yxy color 88.4994, 0.3726, 0.4125.

# 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

88.4994, 0.3726, 0.4125

### Protanopia

88.6593, 0.3518, 0.3770

### Deuteranopia

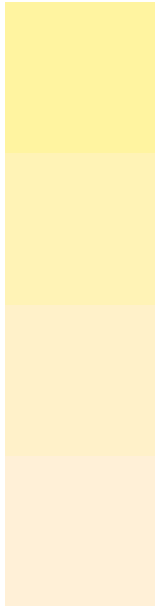
88.4292, 0.3323, 0.3429



## Tritanopia

88.5438, 0.3185, 0.3193

# Trichromacy



## Original Color

88.4994, 0.3726, 0.4125

## Protanomaly

88.7386, 0.3592, 0.3900

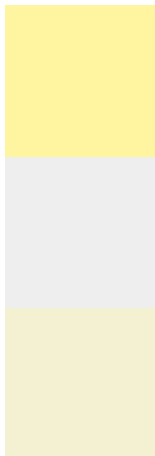
## Deuteranomaly

88.3876, 0.3475, 0.3690

## Tritanomaly

88.4865, 0.3386, 0.3539

# Monochromacy



## Original Color

88.4994, 0.3726, 0.4125

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

86.2064, 0.3342, 0.3596

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.4994, 0.3726, 0.4125 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, 244, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 160)  
}
```

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, 244, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 88.4994, 0.3726, 0.4125 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, 244, 160) }
```

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

```
.border{ border-color:rgb(255, 244, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.4994, 0.3726, 0.4125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 160) }
```

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

```
.background{ background-color: rgb(255,  
244, 160) }
```

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