

# Converting Colors

$Y_{xy}(100.0000, 0.4053, 0.3956)$

Have a look what the booklet for  
Yxy(100.0000, 0.4053, 0.3956)  
contains.

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# Color

**Yxy(88.7514, 0.3683, 0.4057)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF4A7
RGB	255, 244, 167
RGB Percent	100%, 96%, 65%
CMY	0.0000, 0.0431, 0.3451
CMYK	0.00, 0.04, 0.35, 0.00
HSL	53°, 100%, 83%
HSV	53°, 35%, 100%
XYZ	80.5697, 88.7514, 49.4400
YIQ	238.5110, 31.2730, -21.6150

# Conversions

## Conversions Part 2

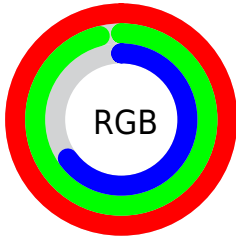
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 255, 167
Decimal	16774311
CIELab	95.48, -7.30, 38.48
CIElCh	95, 39.165, 100.740
Yxy	88.7514, 0.3683, 0.4057
Android (android.graphics.Color)	4294964391 (0xFFFFF4A7)
YUV	238.5110, -35.2549, 14.4609
Hunter-Lab	94.2080, -12.2049, 34.8304

# Details

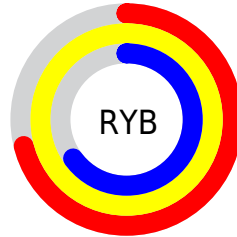
The Yxy color **88.7514, 0.3683, 0.4057** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.2732, 0.2517, 0.2384**, and the grayscale version is **86.1770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **49.0517, 0.3792, 0.4223** is the 20% darker color. If you saturate the color by 10%, you get **85.9990, 0.3847, 0.4270**, and if you desaturate by 10%, it is **91.7247, 0.3516, 0.3833**.

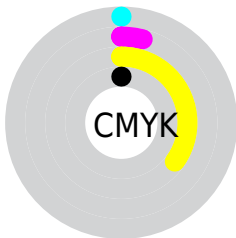
# Distribution



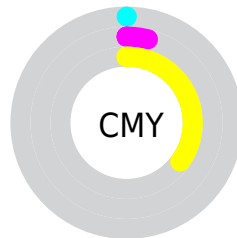
- Red (100%)
- Green (96%)
- Blue (65%)



- Red (71%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (4%)
- Yellow (35%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.7514, 0.3683, 0.4057 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 88.7514, 0.3683, 0.4057 by changing the saturation by 10% instead.





 88.7514, 0.3683,  
0.4057

 88.7514, 0.3683,  
0.4057


523.9608, 0.3442,  
0.3714

 66.9455, 0.3733,  
0.4131

 145.6028, 0.3603,  
0.3941

 49.0404, 0.3793,  
0.4221


 181.4171, 0.3571,  
0.3895

 34.6515, 0.3865,  
0.4330


222.6698, 0.3543,  
0.3855

 23.3945, 0.3951,  
0.4467

269.7450, 0.3518,  
0.3820

 14.8851, 0.4055,  
0.4639

323.0274, 0.3496,  
0.3789

 8.7388, 0.4178,  
0.4860

382.9012, 0.3476,

 4.5712, 0.4364,

0.3761

0.5203

449.7509, 0.3458,  
0.3737

■ 1.9979, 0.4460,  
0.5540

■ 0.6063, 0.3964,  
0.6036

■ 88.7514, 0.3683,  
0.4057

■ 88.7514, 0.3683,  
0.4057

■ 85.9990, 0.3847,  
0.4270

■ 91.7247, 0.3516,  
0.3833

■ 83.4536, 0.4003,  
0.4463

■ 94.9265, 0.3352,  
0.3608

■ 81.1039, 0.4143,  
0.4625

■ 98.3671, 0.3195,  
0.3387

■ 78.9360, 0.4260,  
0.4747

100.0000, 0.3127,  
0.3290

■ 76.9339, 0.4351,  
0.4824

■ 75.0778, 0.4412,  
0.4856

■ 74.1059, 0.4437,  
0.4859

# Harmonies

## Analogous

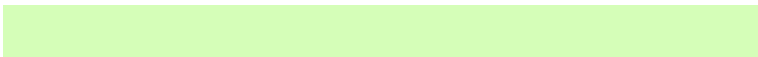
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7514, 0.3954, 0.3842



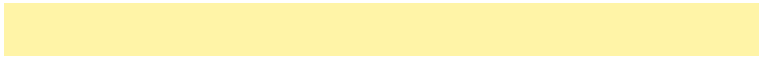
88.7514, 0.3683, 0.4057



88.7514, 0.3273, 0.4057

# Triad

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



88.7514, 0.3683, 0.4057



88.7514, 0.2330, 0.2969



88.7514, 0.3382, 0.2848

# Complementary

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



88.7514, 0.3683, 0.4057



47.2732, 0.2517, 0.2384

# 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.



88.7514, 0.2933, 0.2642



88.7514, 0.3683, 0.4057



88.7514, 0.2353, 0.2687

# Square

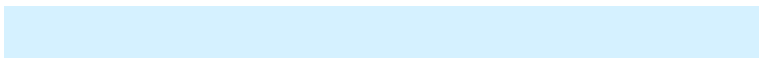
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.7514, 0.3683, 0.4057



88.7514, 0.2502, 0.3381



88.7514, 0.2565, 0.2579



88.7514, 0.3781, 0.3158

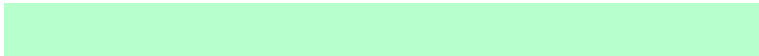


# Rectangle

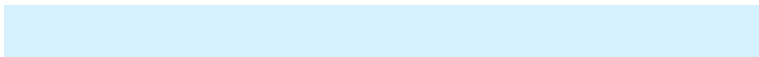
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.7514, 0.3683, 0.4057



88.7514, 0.2980, 0.3911



88.7514, 0.2565, 0.2579



88.7514, 0.3230, 0.2766

# Sweetspot

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



88.7523, 0.3683, 0.4057



96.4486, 0.3280, 0.3507



52.1395, 0.3839, 0.3169



20.5414, 0.3302, 0.3538



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

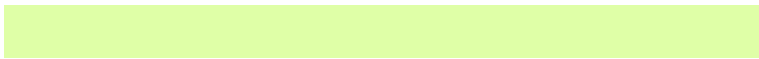
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.7523, 0.3683, 0.4057



86.9416, 0.3790, 0.4197



89.9552, 0.3429, 0.4221



20.6804, 0.3272, 0.3496



38.8743, 0.4432, 0.4863



3.8890, 0.4401, 0.4888



# Inverse Universe

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



47.2732, 0.2517, 0.2384



40.1248, 0.2385, 0.2180



47.0339, 0.2730, 0.2314



17.7434, 0.2979, 0.3075



4.4218, 0.1526, 0.0691

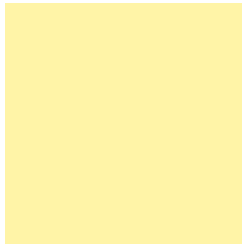


0.5403, 0.1568, 0.0843



# Previews

## White Background



This preview shows how the Yxy color 88.7514, 0.3683, 0.4057 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

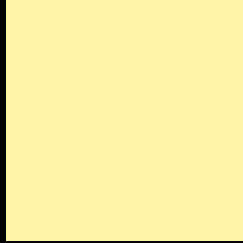
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.7514, 0.3683, 0.4057 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

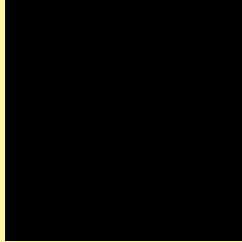
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.7514, 0.3683, 0.4057**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.7514, 0.3683, 0.4057.

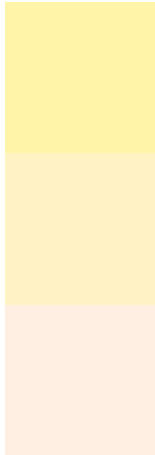


This preview shows how white text looks on a background with the Yxy color 88.7514, 0.3683, 0.4057.

# 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

88.7514, 0.3683, 0.4057

### Protanopia

88.7955, 0.3498, 0.3740

### Deuteranopia

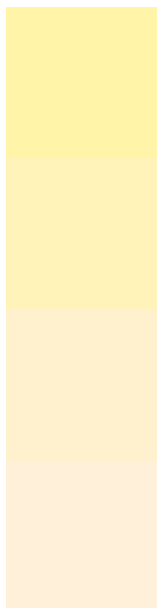
88.4840, 0.3316, 0.3419



## Tritanopia

88.5438, 0.3185, 0.3193

# Trichromacy



## Original Color

88.7514, 0.3683, 0.4057

## Protanomaly

88.9064, 0.3567, 0.3860

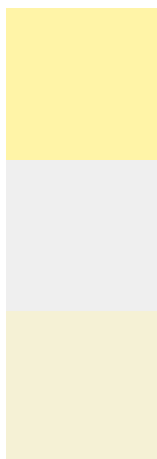
## Deuteranomaly

88.5784, 0.3449, 0.3649

## Tritanomaly

88.6421, 0.3366, 0.3508

# Monochromacy



## Original Color

88.7514, 0.3683, 0.4057

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

87.1272, 0.3328, 0.3575

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.7514, 0.3683, 0.4057 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 88.7514, 0.3683, 0.4057 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, 167) }
```

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

```
.border{ border-color:rgb(255, 244, 167) }
```

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, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
167) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.7514, 0.3683, 0.4057 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, 167) }
```

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

```
.background{ background-color: rgb(255,  
244, 167) }
```

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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