

# Converting Colors

$Y_{xy}(100.4777, 0.4610, 0.3919)$

Have a look what the booklet for  
Yxy(100.4777, 0.4610, 0.3919)  
contains.

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# Color

**Yxy(76.9745, 0.3931, 0.4155)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE18B
RGB	255, 225, 139
RGB Percent	100%, 88%, 55%
CMY	0.0000, 0.1176, 0.4548
CMYK	0.00, 0.12, 0.45, 0.00
HSL	44°, 100%, 77%
HSV	44°, 45%, 100%
XYZ	72.8247, 76.9745, 35.4583
YIQ	224.1660, 45.4860, -20.3860

# Conversions

## Conversions Part 2

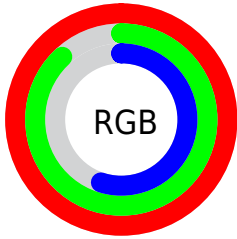
Format	Color
R <sub>Y</sub> B	179, 255, 139
Decimal	16769419
CIE Lab	90.31, -0.71, 45.69
CIE LCh	90, 45.699, 90.884
Yxy	76.9745, 0.3931, 0.4155
Android (android.graphics.Color)	4294959499 (0xFFFFE18B)
YUV	224.1660, -41.9868, 27.0414
Hunter-Lab	87.7351, -5.3721, 37.4524

# Details

The Yxy color **76.9745, 0.3931, 0.4155** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **41.0941, 0.2328, 0.2230**, and the grayscale version is **74.9513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6750, 0.3490, 0.3890**, and **41.1733, 0.4093, 0.4336** is the 20% darker color. If you saturate the color by 10%, you get **72.8208, 0.4122, 0.4324**, and if you desaturate by 10%, it is **81.4469, 0.3739, 0.3969**.

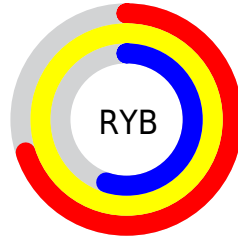
# Distribution



Red (100%)

Green (88%)

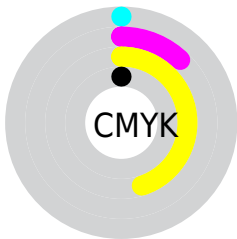
Blue (55%)



Red (70%)

Yellow (100%)

Blue (55%)

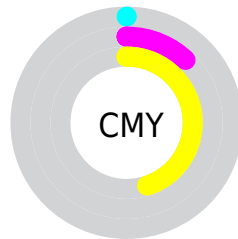


Cyan (0%)

Magenta (12%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (12%)


Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9745, 0.3931, 0.4155 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 76.9745, 0.3931, 0.4155 by changing the saturation by 10% instead.





 76.9745, 0.3931,  
0.4155

 76.9745, 0.3931,  
0.4155


484.6771, 0.3574,  
0.3770


 57.2319, 0.4006,  
0.4237


 129.1035, 0.3812,  
0.4026

 41.1915, 0.4096,  
0.4334


 162.2587, 0.3764,  
0.3974

 28.4687, 0.4203,  
0.4450


 200.6536, 0.3722,  
0.3929

 18.6793, 0.4330,  
0.4589

244.6726, 0.3685,  
0.3889

 11.4388, 0.4479,  
0.4753

294.7000, 0.3653,  
0.3854

 6.3628, 0.4673,  
0.4969

351.1203, 0.3624,

 3.0669, 0.4839,

0.3823

0.5161

414.3179, 0.3597,  
0.3795

■ 1.1668, 0.4826,  
0.5174

■ 0.0343, 0.3097,  
0.6903

■ 76.9745, 0.3931,  
0.4155

■ 76.9745, 0.3931,  
0.4155

■ 72.8208, 0.4122,  
0.4324

■ 81.4469, 0.3739,  
0.3969

■ 68.9612, 0.4304,  
0.4463

■ 86.2398, 0.3552,  
0.3774

■ 65.3839, 0.4467,  
0.4564

■ 91.3684, 0.3375,  
0.3579

■ 62.0712, 0.4605,  
0.4617

■ 96.8436, 0.3211,  
0.3390

■ 59.0013, 0.4711,  
0.4620

99.9981, 0.3127,  
0.3290

■ 57.6782, 0.4751,  
0.4610

# Harmonies

## Analogous

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



76.9745, 0.4187, 0.3822



76.9745, 0.3931, 0.4155



76.9745, 0.3469, 0.4272

# Triad

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



76.9745, 0.3931, 0.4155



76.9745, 0.2209, 0.3040



76.9745, 0.3251, 0.2662

# Complementary

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



76.9745, 0.3931, 0.4155



41.0941, 0.2328, 0.2230

# 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.



76.9745, 0.2725, 0.2468



76.9745, 0.3931, 0.4155



76.9745, 0.2163, 0.2642

# Square

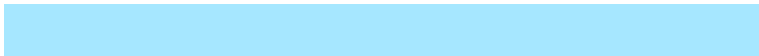
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.9745, 0.3931, 0.4155



76.9745, 0.2481, 0.3578



76.9745, 0.2342, 0.2452



76.9745, 0.3784, 0.2994

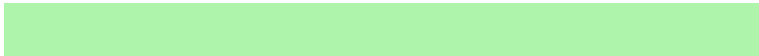


# Rectangle

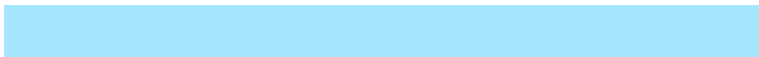
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.9745, 0.3931, 0.4155



76.9745, 0.3113, 0.4170



76.9745, 0.2342, 0.2452



76.9745, 0.3066, 0.2580

# Sweetspot

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



76.9781, 0.3931, 0.4155



92.1615, 0.3350, 0.3551



42.6345, 0.4021, 0.2970



19.4809, 0.3387, 0.3592



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

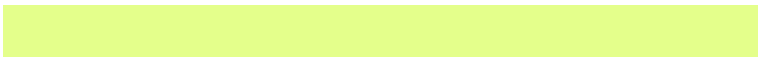
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9781, 0.3931, 0.4155



73.0174, 0.4113, 0.4316



89.8620, 0.3616, 0.4488



20.2489, 0.3276, 0.3465



30.3951, 0.4740, 0.4619



3.1360, 0.4663, 0.4679



# Inverse Universe

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



41.0941, 0.2328, 0.2230



32.9857, 0.2149, 0.1961



33.8120, 0.2449, 0.1924



18.1412, 0.2979, 0.3108



6.0071, 0.1584, 0.0902



0.7524, 0.1642, 0.1112



# Previews

## White Background



This preview shows how the Yxy color 76.9745, 0.3931, 0.4155 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

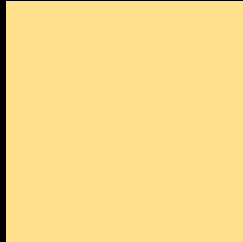
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.9745, 0.3931, 0.4155 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 76.9745, 0.3931, 0.4155**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.9745, 0.3931, 0.4155.



This preview shows how white text looks on a background with the Yxy color 76.9745, 0.3931, 0.4155.

# 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

76.9745, 0.3931, 0.4155

### Protanopia

76.7881, 0.3862, 0.4182

### Deuteranopia

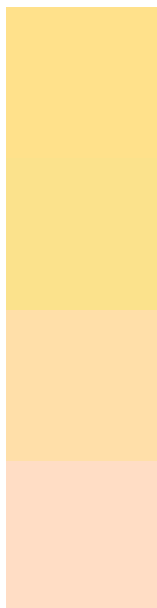
77.0477, 0.3620, 0.3659



## Tritanopia

77.1160, 0.3314, 0.3171

# Trichromacy



## Original Color

76.9745, 0.3931, 0.4155

## Protanomaly

76.7954, 0.3890, 0.4165

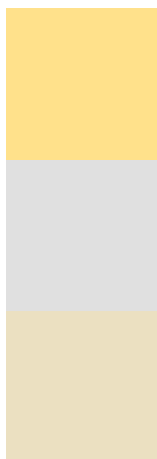
## Deuteranomaly

76.8999, 0.3737, 0.3843

## Tritanomaly

77.0041, 0.3543, 0.3536

# Monochromacy



## Original Color

76.9745, 0.3931, 0.4155

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

74.8237, 0.3415, 0.3623

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.9745, 0.3931, 0.4155 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, 225, 139)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 139)  
}
```

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, 225, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 76.9745, 0.3931, 0.4155 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, 225, 139) }
```

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

```
.border{ border-color:rgb(255, 225, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 225, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 139);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
139) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.9745, 0.3931, 0.4155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 139) }
```

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

```
.background{ background-color: rgb(255,  
225, 139) }
```

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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