

# Converting Colors

$Yxy(76.1563, 0.3999, 0.4238)$

Have a look what the booklet for  
Yxy(76.1563, 0.3999, 0.4238)  
contains.

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# **Color**

**Yxy(76.1563, 0.3999, 0.4238)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE081
RGB	255, 224, 129
RGB Percent	100%, 88%, 51%
CMY	0.0000, 0.1216, 0.4941
CMYK	0.00, 0.12, 0.49, 0.00
HSL	45°, 100%, 75%
HSV	45°, 49%, 100%
XYZ	71.8615, 76.1563, 31.6809
YIQ	222.4390, 48.9710, -22.9730

# Conversions

## Conversions Part 2

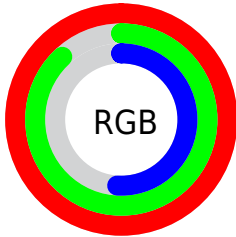
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 255, 129
Decimal	16769153
CIE Lab	89.93, -1.10, 50.11
CIE LCh	90, 50.125, 91.260
Yxy	76.1563, 0.3999, 0.4238
Android (android.graphics.Color)	4294959233 (0xFFFFE081)
YUV	222.4390, -46.0654, 28.5560
Hunter-Lab	87.2676, -5.7304, 39.5632

# Details

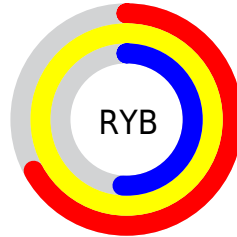
The Yxy color **76.1563, 0.3999, 0.4238** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.0289, 0.2250, 0.2100**, and the grayscale version is **73.6802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2407, 0.3550, 0.3988**, and **40.6475, 0.4172, 0.4428** is the 20% darker color. If you saturate the color by 10%, you get **72.2517, 0.4183, 0.4399**, and if you desaturate by 10%, it is **80.3571, 0.3809, 0.4055**.

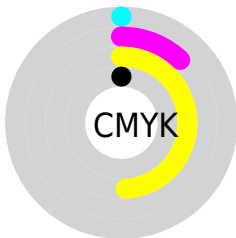
# Distribution



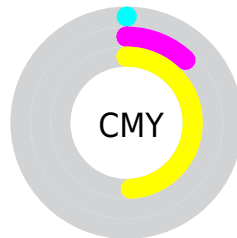
- Red (100%)
- Green (88%)
- Blue (51%)



- Red (67%)
- Yellow (100%)
- Blue (51%)



- Cyan (0%)
- Magenta (12%)
- Yellow (49%)
- Black (0%)




- Cyan (0%)
- Magenta (12%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.1563, 0.3999, 0.4238 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 76.1563, 0.3999, 0.4238 by changing the saturation by 10% instead.




 76.1563, 0.3999,  
0.4238


 76.1563, 0.3999,  
0.4238


481.8826, 0.3614,  
0.3818


 56.5607, 0.4079,  
0.4326


 127.9478, 0.3871,  
0.4098

 40.6526, 0.4173,  
0.4430


 160.9125, 0.3820,  
0.4042

 28.0478, 0.4283,  
0.4552


 199.1024, 0.3775,  
0.3992

 18.3617, 0.4411,  
0.4695

242.9017, 0.3735,  
0.3949

 11.2100, 0.4555,  
0.4859

292.6951, 0.3700,  
0.3911

 6.2082, 0.4790,  
0.5124

348.8667, 0.3668,

 2.9721, 0.4820,

0.3876

0.5180

411.8011, 0.3640,  
0.3846

■ 1.1172, 0.4799,  
0.5201

■ 0.0000, 0.0000,  
0.0000

■ 76.1563, 0.3999,  
0.4238

■ 76.1563, 0.3999,  
0.4238

■ 72.2517, 0.4183,  
0.4399

■ 80.3571, 0.3809,  
0.4055

■ 68.6252, 0.4354,  
0.4526

■ 84.8630, 0.3622,  
0.3860

■ 65.2622, 0.4503,  
0.4610

■ 89.6872, 0.3442,  
0.3661

■ 62.1439, 0.4623,  
0.4646

■ 94.8405, 0.3274,  
0.3466

■ 59.2420, 0.4714,  
0.4636

100.0000, 0.3127,  
0.3290

■ 59.0759, 0.4719,  
0.4635

# Harmonies

## Analogous

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



76.1563, 0.4289, 0.3867



76.1563, 0.3999, 0.4238



76.1563, 0.3488, 0.4376

# Triad

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



76.1563, 0.3999, 0.4238



76.1563, 0.2123, 0.3002



76.1563, 0.3268, 0.2610

# Complementary

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



76.1563, 0.3999, 0.4238



37.0289, 0.2250, 0.2100

# 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.



76.1563, 0.2691, 0.2397



76.1563, 0.3999, 0.4238



76.1563, 0.2078, 0.2573

# Square

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



76.1563, 0.3999, 0.4238



76.1563, 0.2413, 0.3598



76.1563, 0.2274, 0.2375



76.1563, 0.3857, 0.2969

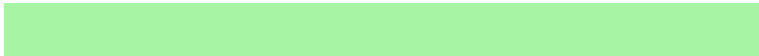


# Rectangle

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



76.1563, 0.3999, 0.4238



76.1563, 0.3098, 0.4264



76.1563, 0.2274, 0.2375



76.1563, 0.3065, 0.2520

# Sweetspot

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



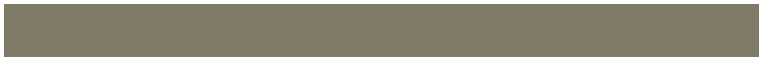
76.1576, 0.3999, 0.4238



91.9190, 0.3366, 0.3575



39.5168, 0.4166, 0.2967



19.4444, 0.3402, 0.3616



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.



76.1576, 0.3999, 0.4238



72.4065, 0.4176, 0.4393



88.8727, 0.3635, 0.4595



20.2891, 0.3275, 0.3468



31.1157, 0.4709, 0.4643



3.2010, 0.4637, 0.4700



# Inverse Universe

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



37.0289, 0.2250, 0.2100



29.4124, 0.2072, 0.1823



30.4465, 0.2392, 0.1798



18.1035, 0.2979, 0.3105



5.8097, 0.1577, 0.0877



0.7286, 0.1634, 0.1084



# Previews

## White Background



This preview shows how the Yxy color 76.1563, 0.3999, 0.4238 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 76.1563, 0.3999, 0.4238 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 76.1563, 0.3999, 0.4238**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.1563, 0.3999, 0.4238.



This preview shows how white text looks on a background with the Yxy color 76.1563, 0.3999, 0.4238.

# 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

76.1563, 0.3999, 0.4238

### Protanopia

75.9609, 0.3929, 0.4268

### Deuteranopia

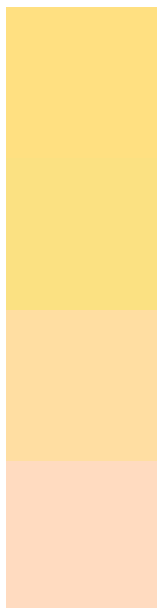
76.3091, 0.3658, 0.3700



## Tritanopia

75.9732, 0.3330, 0.3170

# Trichromacy



## Original Color

76.1563, 0.3999, 0.4238

## Protanomaly

75.9714, 0.3957, 0.4250

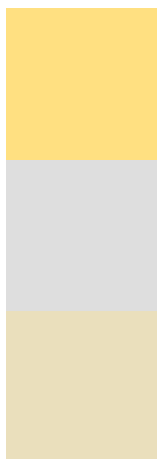
## Deuteranomaly

76.1112, 0.3789, 0.3904

## Tritanomaly

75.7288, 0.3584, 0.3567

# Monochromacy



## Original Color

76.1563, 0.3999, 0.4238

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

73.8986, 0.3444, 0.3668

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  76.1563, 0.3999, 0.4238 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, 224, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 129)  
}
```

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, 224, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 76.1563, 0.3999, 0.4238 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, 224, 129) }
```

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

```
.border{ border-color:rgb(255, 224, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 224, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 224, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 224, 129); box-shadow:4px 4px 4px 4px rgb(255, 224, 129) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.1563, 0.3999, 0.4238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 129) }
```

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

```
.background{ background-color: rgb(255,  
224, 129) }
```

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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