

# Converting Colors

$Y_{xy}(75.5372, 0.3930, 0.4380)$

Have a look what the booklet for  
Yxy(75.5372, 0.3930, 0.4380)  
contains.

<b>Yxy(75.7445, 0.3927, 0.4386)</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(75.7445, 0.3927, 0.4386)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2E479
RGB	242, 228, 121
RGB Percent	95%, 89%, 47%
CMY	0.0509, 0.1059, 0.5255
CMYK	0.00, 0.06, 0.50, 0.05
HSL	53°, 82%, 71%
HSV	53°, 50%, 95%
XYZ	67.8178, 75.7445, 29.1338
YIQ	219.9880, 42.6910, -30.3090

# Conversions

## Conversions Part 2

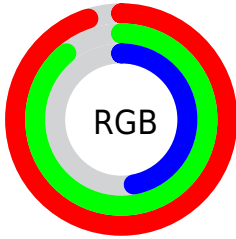
Format	Color
<a href="#">RYB</a>	<a href="#">137, 242, 121</a>
Decimal	<a href="#">15918201</a>
CIELab	<a href="#">89.74, -8.99, 53.43</a>
CIELCh	<a href="#">90, 54.185, 99.547</a>
Yxy	<a href="#">75.7445, 0.3927, 0.4386</a>
Android (android.graphics.Color)	<a href="#">4294108281 (0xFFFF2E479)</a>
YUV	<a href="#">219.9880, -48.8011, 19.3045</a>
Hunter-Lab	<a href="#">87.0313, -13.2116, 41.0745</a>

# Details

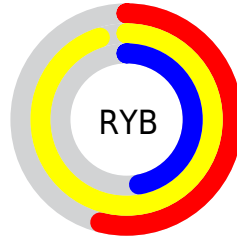
The Yxy color **75.7445, 0.3927, 0.4386** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **27.8107, 0.2201, 0.1878**, and the grayscale version is **71.8898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9146, 0.3597, 0.4066**, and **40.4948, 0.4079, 0.4620** is the 20% darker color. If you saturate the color by 10%, you get **73.6965, 0.4072, 0.4564**, and if you desaturate by 10%, it is **77.9735, 0.3769, 0.4182**.

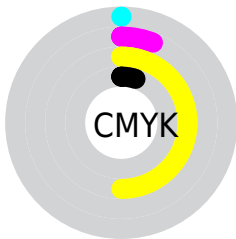
# Distribution



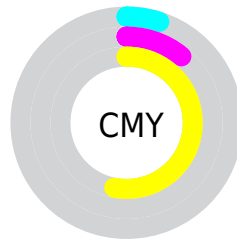
- Red (95%)
- Green (89%)
- Blue (47%)



- Red (54%)
- Yellow (95%)
- Blue (47%)



- Cyan (0%)
- Magenta (6%)
- Yellow (50%)
- Black (5%)




- Cyan (5%)
- Magenta (11%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.7445, 0.3927, 0.4386 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 75.7445, 0.3927, 0.4386 by changing the saturation by 10% instead.




 75.7445, 0.3927,  
0.4386


 75.7445, 0.3927,  
0.4386


480.4726, 0.3582,  
0.3892


 56.2230, 0.3996,  
0.4491


 127.3657, 0.3814,  
0.4220

 40.3818, 0.4075,  
0.4616


 160.2342, 0.3769,  
0.4153

 27.8363, 0.4165,  
0.4765


 198.3205, 0.3728,  
0.4095

 18.2023, 0.4264,  
0.4942

242.0089, 0.3692,  
0.4045

 11.0953, 0.4363,  
0.5147

291.6840, 0.3660,  
0.4000

 6.1310, 0.4525,  
0.5475

347.7300, 0.3631,

 2.9249, 0.4425,

0.3960

0.5575

410.5314, 0.3605,  
0.3924

■ 1.0926, 0.4244,  
0.5756

■ 0.0000, 0.0000,  
0.0000

■ 75.7445, 0.3927,  
0.4386

■ 75.7445, 0.3927,  
0.4386

■ 73.6965, 0.4072,  
0.4564

■ 77.9735, 0.3769,  
0.4182

■ 71.8075, 0.4198,  
0.4707


■ 80.3831, 0.3604,  
0.3961

■ 70.0678, 0.4298,  
0.4806

■ 82.9865, 0.3440,  
0.3735

■ 68.4620, 0.4370,  
0.4860

■ 85.7921, 0.3279,  
0.3509

 66.9645, 0.4417,  
0.4875

 88.8082, 0.3127,  
0.3290

 91.2990, 0.3049,  
0.3190

 93.0069, 0.3049,  
0.3218

 94.7406, 0.3048,  
0.3245

 96.5002, 0.3048,  
0.3273

# Harmonies

## Analogous

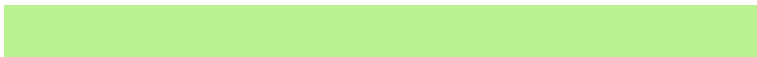
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.7445, 0.4325, 0.4028



75.7445, 0.3927, 0.4386



75.7445, 0.3337, 0.4446

# Triad

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



75.7445, 0.3927, 0.4386



75.7445, 0.2010, 0.2822



75.7445, 0.3462, 0.2653

# Complementary

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



75.7445, 0.3927, 0.4386



27.8107, 0.2201, 0.1878

# 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.



75.7445, 0.2813, 0.2378



75.7445, 0.3927, 0.4386



75.7445, 0.2035, 0.2432

# Square

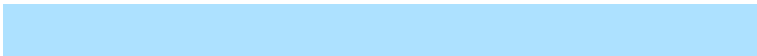
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.7445, 0.3927, 0.4386



75.7445, 0.2246, 0.3434



75.7445, 0.2310, 0.2293



75.7445, 0.4065, 0.3066

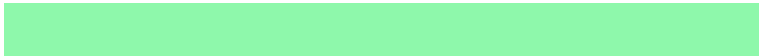


# Rectangle

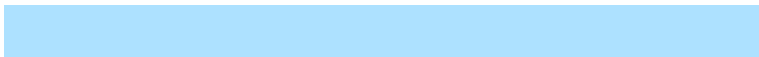
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.7445, 0.3927, 0.4386



75.7445, 0.2919, 0.4247



75.7445, 0.2310, 0.2293



75.7445, 0.3239, 0.2543

# Sweetspot

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



75.7480, 0.3927, 0.4386



94.9818, 0.3359, 0.3622



34.3082, 0.4381, 0.3141



20.1882, 0.3393, 0.3670



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.



75.7480, 0.3927, 0.4386



82.9464, 0.4074, 0.4567



76.5832, 0.3523, 0.4662



18.1280, 0.3271, 0.3497



36.0976, 0.4412, 0.4878



3.0908, 0.4380, 0.4904



# Inverse Universe

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



27.8107, 0.2201, 0.1878



23.4119, 0.1999, 0.1549



28.3448, 0.2514, 0.1833



15.5236, 0.2980, 0.3074



3.9903, 0.1524, 0.0684

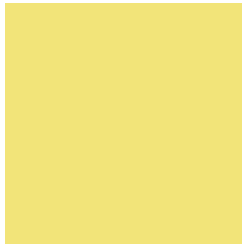


0.4276, 0.1571, 0.0854



# Previews

## White Background



This preview shows how the Yxy color 75.7445, 0.3927, 0.4386 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

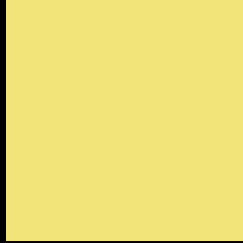
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.7445, 0.3927, 0.4386 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 75.7445, 0.3927, 0.4386**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.7445, 0.3927, 0.4386.



This preview shows how white text looks on a background with the Yxy color 75.7445, 0.3927, 0.4386.

# 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

75.7445, 0.3927, 0.4386

### Protanopia

75.8885, 0.3996, 0.4354

### Deuteranopia

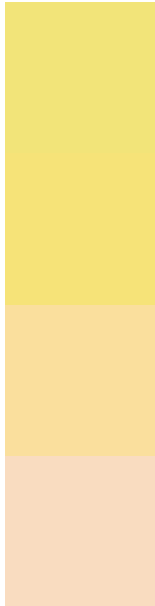
75.6608, 0.3683, 0.3721



## Tritanopia

75.3097, 0.3288, 0.3120

# Trichromacy



**Original Color**

75.7445, 0.3927, 0.4386

**Protanomaly**

75.8871, 0.3968, 0.4373

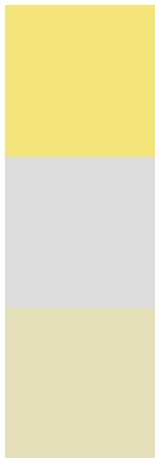
**Deuteranomaly**

75.5337, 0.3782, 0.3973

**Tritanomaly**

75.1319, 0.3536, 0.3582

# Monochromacy



**Original Color**

75.7445, 0.3927, 0.4386

**Achromatopsia**

71.5694, 0.3127, 0.3290

**Achromatomaly**

72.7300, 0.3427, 0.3718

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.7445, 0.3927, 0.4386 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(242, 228, 121)` looks like.

```
.text, #text, p{  
    color:rgb(242, 228, 121)  
}
```

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(242, 228, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 228, 121) }
```

## Border

The CSS property to change the border of an element to Yxy 75.7445, 0.3927, 0.4386 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(242, 228, 121) }
```

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

```
.border{ border-color:rgb(242, 228, 121) }
```

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

Here you see how a box with a 4 pixel rgb(242, 228, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 228, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 228, 121);  
box-shadow:4px 4px 4px 4px rgb(242, 228,  
121) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.7445, 0.3927, 0.4386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 228, 121) }
```

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

```
.background{ background-color: rgb(242,  
228, 121) }
```

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