

# Converting Colors

$Yxy(77.7046, 0.4002, 0.4291)$

Have a look what the booklet for  
Yxy(77.7046, 0.4002, 0.4291)  
contains.

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# **Color**

**Yxy(77.7045, 0.4002, 0.4291)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE37E
RGB	255, 227, 126
RGB Percent	100%, 89%, 49%
CMY	0.0000, 0.1098, 0.5059
CMYK	0.00, 0.11, 0.51, 0.00
HSL	47°, 100%, 75%
HSV	47°, 51%, 100%
XYZ	72.4711, 77.7045, 30.9116
YIQ	223.8580, 49.1090, -25.4750

# Conversions

## Conversions Part 2

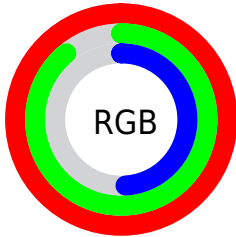
Format	Color
<b>RYB</b>	162, 255, 126
Decimal	16769918
CIELab	90.64, -2.89, 52.42
CIELCh	91, 52.503, 93.156
Yxy	77.7045, 0.4002, 0.4291
Android (android.graphics.Color)	4294959998 (0xFFFFE37E)
YUV	223.8580, -48.2440, 27.3115
Hunter-Lab	88.1502, -7.5122, 40.9139

# Details

The Yxy color **77.7045, 0.4002, 0.4291** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **34.7527, 0.2218, 0.2018**, and the grayscale version is **74.7598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1162, 0.3567, 0.4018**, and **41.7352, 0.4168, 0.4489** is the 20% darker color. If you saturate the color by 10%, you get **74.1548, 0.4176, 0.4453**, and if you desaturate by 10%, it is **81.5264, 0.3820, 0.4105**.

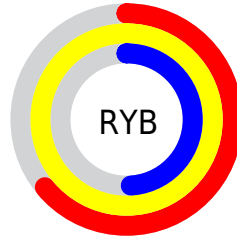
# Distribution



Red (100%)

Green (89%)

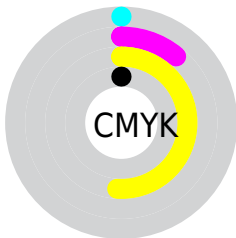
Blue (49%)



Red (64%)

Yellow (100%)

Blue (49%)

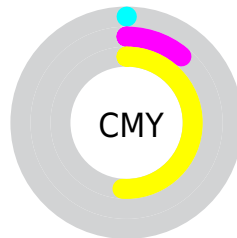


Cyan (0%)

Magenta (11%)

Yellow (51%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7045, 0.4002, 0.4291 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 77.7045, 0.4002, 0.4291 by changing the saturation by 10% instead.





 77.7045, 0.4002,  
0.4291

 77.7045, 0.4002,  
0.4291

487.1627, 0.3620,  
0.3848


 57.8313, 0.4080,  
0.4383


 130.1335, 0.3876,  
0.4144

 41.6730, 0.4171,  
0.4492


 163.4580, 0.3825,  
0.4085

 28.8453, 0.4276,  
0.4619


 202.0351, 0.3781,  
0.4033

 18.9639, 0.4397,  
0.4768

246.2491, 0.3741,  
0.3987

 11.6442, 0.4528,  
0.4937

296.4845, 0.3706,  
0.3946

 6.5019, 0.4754,  
0.5223

353.1256, 0.3674,

 3.1526, 0.4735,

0.3910

416.5569, 0.3646,  
0.3878

0.5265

1.2119, 0.4682,  
0.5318

0.0714, 0.0000,  
1.0000

77.7045, 0.4002,  
0.4291

77.7045, 0.4002,  
0.4291

74.1548, 0.4176,  
0.4453

81.5264, 0.3820,  
0.4105

70.8524, 0.4334,  
0.4580

85.6221, 0.3637,  
0.3904

67.7852, 0.4468,  
0.4663

90.0067, 0.3460,  
0.3699

64.9343, 0.4573,  
0.4698

94.6909, 0.3292,  
0.3497

■ 62.4222, 0.4647,  
0.4692

99.6845, 0.3136,  
0.3301

99.9979, 0.3127,  
0.3290

# Harmonies

## Analogous

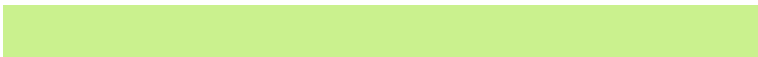
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7045, 0.4324, 0.3913



77.7045, 0.4002, 0.4291



77.7045, 0.3461, 0.4419

# Triad

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



77.7045, 0.4002, 0.4291



77.7045, 0.2076, 0.2953



77.7045, 0.3313, 0.2605

# Complementary

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



77.7045, 0.4002, 0.4291



34.7527, 0.2218, 0.2018

# 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.



77.7045, 0.2707, 0.2375



77.7045, 0.4002, 0.4291



77.7045, 0.2047, 0.2524

# Square

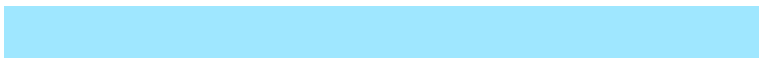
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7045, 0.4002, 0.4291



77.7045, 0.2359, 0.3569



77.7045, 0.2263, 0.2337



77.7045, 0.3920, 0.2983

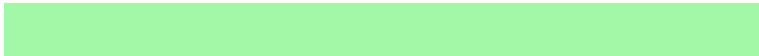


# Rectangle

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



77.7045, 0.4002, 0.4291



77.7045, 0.3056, 0.4287



77.7045, 0.2263, 0.2337



77.7045, 0.3101, 0.2509

# Sweetspot

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



77.7081, 0.4002, 0.4291



92.5977, 0.3365, 0.3585



38.5790, 0.4230, 0.2983



19.6090, 0.3400, 0.3628



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.



77.7081, 0.4002, 0.4291



74.0226, 0.4183, 0.4459



88.3263, 0.3630, 0.4632



20.3828, 0.3275, 0.3475



32.8491, 0.4638, 0.4699



3.3564, 0.4577, 0.4748



# Inverse Universe

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



34.7527, 0.2218, 0.2018



26.7238, 0.2023, 0.1708



29.6507, 0.2387, 0.1766



18.0162, 0.2979, 0.3098



5.3917, 0.1562, 0.0822



0.6767, 0.1617, 0.1020



# Previews

## White Background



This preview shows how the Yxy color 77.7045, 0.4002, 0.4291 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

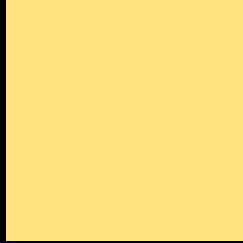
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.7045, 0.4002, 0.4291 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 77.7045, 0.4002, 0.4291**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.7045, 0.4002, 0.4291.

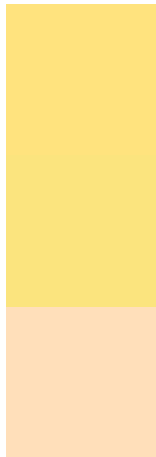


This preview shows how white text looks on a background with the Yxy color 77.7045, 0.4002, 0.4291.

# 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

77.7045, 0.4002, 0.4291

### Protanopia

77.5024, 0.3967, 0.4312

### Deuteranopia

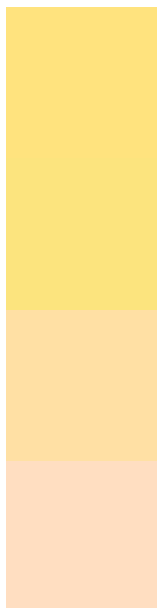
77.5805, 0.3617, 0.3669



## Tritanopia

77.6926, 0.3306, 0.3171

# Trichromacy



## Original Color

77.7045, 0.4002, 0.4291

## Protanomaly

77.6886, 0.3974, 0.4309

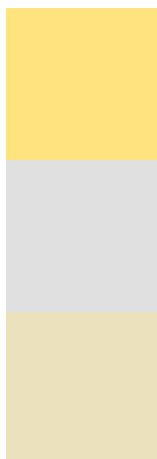
## Deuteranomaly

77.2516, 0.3768, 0.3903

## Tritanomaly

77.3528, 0.3570, 0.3587

# Monochromacy



## Original Color

77.7045, 0.4002, 0.4291

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

75.1434, 0.3448, 0.3687

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.7045, 0.4002, 0.4291 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, 227, 126)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 126)  
}
```

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, 227, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 77.7045, 0.4002, 0.4291 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, 227, 126) }
```

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

```
.border{ border-color:rgb(255, 227, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 227, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 126);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
126) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.7045, 0.4002, 0.4291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 126) }
```

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

```
.background{ background-color: rgb(255,  
227, 126) }
```

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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