

# Converting Colors

$Yxy(77.4237, 0.4067, 0.4386)$

Have a look what the booklet for  
Yxy(77.4237, 0.4067, 0.4386)  
contains.

<b>Yxy(77.4360, 0.4065, 0.4384)</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(77.4360, 0.4065, 0.4384)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE373
RGB	255, 227, 115
RGB Percent	100%, 89%, 45%
CMY	0.0001, 0.1098, 0.5488
CMYK	0.00, 0.11, 0.55, 0.00
HSL	48°, 100%, 73%
HSV	48°, 55%, 100%
XYZ	71.8014, 77.4360, 27.3958
YIQ	222.6040, 52.6400, -28.8960

# Conversions

## Conversions Part 2

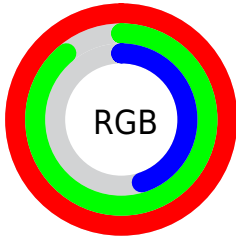
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	150, 255, 115
Decimal	16769907
CIE <sub>Lab</sub>	90.52, -3.77, 57.40
CIE <sub>LCh</sub>	91, 57.521, 93.760
Yxy	77.4360, 0.4065, 0.4384
Android (android.graphics.Color)	4294959987 (0xFFFFE373)
YUV	222.6040, -53.0488, 28.4113
Hunter-Lab	87.9977, -8.3496, 43.1400

# Details

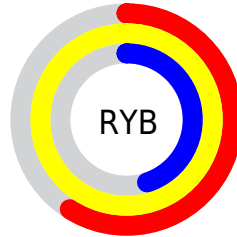
The Yxy color **77.4360, 0.4065, 0.4384** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **30.5188, 0.2130, 0.1860**, and the grayscale version is **73.8558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6823, 0.3632, 0.4124**, and **41.5886, 0.4240, 0.4594** is the 20% darker color. If you saturate the color by 10%, you get **74.1839, 0.4228, 0.4535**, and if you desaturate by 10%, it is **80.9403, 0.3890, 0.4204**.

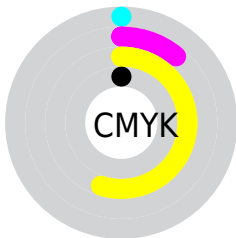
# Distribution



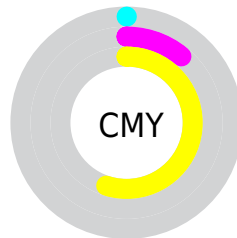
- Red (100%)
- Green (89%)
- Blue (45%)



- Red (59%)
- Yellow (100%)
- Blue (45%)



- Cyan (0%)
- Magenta (11%)
- Yellow (55%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4360, 0.4065, 0.4384 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 77.4360, 0.4065, 0.4384 by changing the saturation by 10% instead.





 77.4360, 0.4065,  
0.4384


 77.4360, 0.4065,  
0.4384

486.2493, 0.3661,  
0.3904

 57.6108, 0.4146,  
0.4482


 129.7548, 0.3934,  
0.4226

 41.4958, 0.4238,  
0.4597


 163.0171, 0.3880,  
0.4161

 28.7067, 0.4342,  
0.4729


 201.5272, 0.3832,  
0.4105

 18.8591, 0.4458,  
0.4880

245.6696, 0.3790,  
0.4055

 11.5685, 0.4575,  
0.5045

295.8286, 0.3752,  
0.4011

 6.4506, 0.4731,  
0.5269

352.3887, 0.3719,

 3.1209, 0.4691,

0.3971

0.5309

415.7341, 0.3688,  
0.3936

■ 1.1952, 0.4622,  
0.5378

■ 0.0578, 0.0000,  
1.0000

■ 77.4360, 0.4065,  
0.4384

■ 77.4360, 0.4065,  
0.4384

■ 74.1839, 0.4228,  
0.4535

■ 80.9403, 0.3890,  
0.4204

■ 71.1585, 0.4370,  
0.4646


■ 84.6988, 0.3710,  
0.4005

■ 68.3469, 0.4486,  
0.4712

■ 88.7266, 0.3533,  
0.3797

■ 65.7286, 0.4571,  
0.4729

■ 93.0348, 0.3362,  
0.3589

 64.4482, 0.4606,  
0.4725

 97.6332, 0.3201,  
0.3386

99.9969, 0.3127,  
0.3290

# Harmonies

## Analogous

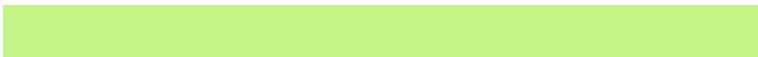
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4360, 0.4430, 0.3965



77.4360, 0.4065, 0.4384



77.4360, 0.3470, 0.4533

# Triad

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



77.4360, 0.4065, 0.4384



77.4360, 0.1983, 0.2902



77.4360, 0.3342, 0.2554

# Complementary

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



77.4360, 0.4065, 0.4384



30.5188, 0.2130, 0.1860

# 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.



77.4360, 0.2678, 0.2302



77.4360, 0.4065, 0.4384



77.4360, 0.1959, 0.2445

# Square

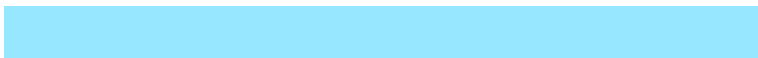
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.4360, 0.4065, 0.4384



77.4360, 0.2279, 0.3579



77.4360, 0.2196, 0.2254



77.4360, 0.4008, 0.2962



# Rectangle

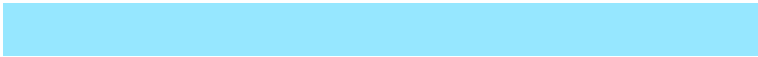
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.4360, 0.4065, 0.4384



77.4360, 0.3029, 0.4387



77.4360, 0.2196, 0.2254



77.4360, 0.3109, 0.2450

# Sweetspot

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



77.4396, 0.4065, 0.4384



92.5514, 0.3381, 0.3612



35.5138, 0.4437, 0.3011



19.6164, 0.3415, 0.3655



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.



77.4396, 0.4065, 0.4384



73.8445, 0.4245, 0.4549



86.8952, 0.3629, 0.4756



20.4375, 0.3274, 0.3479



33.8973, 0.4598, 0.4731



3.4498, 0.4543, 0.4775



# Inverse Universe

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



30.5188, 0.2130, 0.1860



22.7476, 0.1928, 0.1527



26.6627, 0.2344, 0.1641



17.9656, 0.2979, 0.3094



5.1737, 0.1554, 0.0793



0.6487, 0.1607, 0.0984



# Previews

## White Background



This preview shows how the Yxy color 77.4360, 0.4065, 0.4384 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

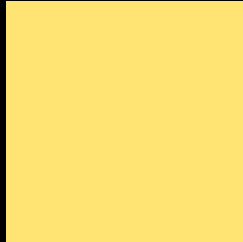
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.4360, 0.4065, 0.4384 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 77.4360, 0.4065, 0.4384**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.4360, 0.4065, 0.4384.

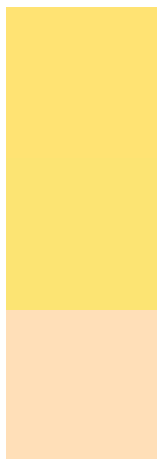


This preview shows how white text looks on a background with the Yxy color 77.4360, 0.4065, 0.4384.

# 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

77.4360, 0.4065, 0.4384

### Protanopia

77.4201, 0.4037, 0.4403

### Deuteranopia

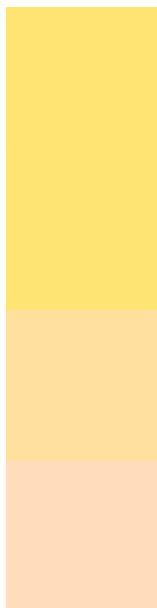
77.4960, 0.3631, 0.3689



## Tritanopia

77.1160, 0.3314, 0.3171

# Trichromacy



## Original Color

77.4360, 0.4065, 0.4384

## Protanomaly

77.6073, 0.4045, 0.4400

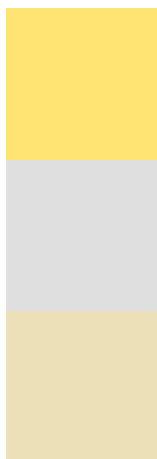
## Deuteranomaly

77.0745, 0.3803, 0.3953

## Tritanomaly

76.6037, 0.3608, 0.3628

# Monochromacy



## Original Color

77.4360, 0.4065, 0.4384

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

74.4342, 0.3478, 0.3721

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.4360, 0.4065, 0.4384 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, 115)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 115)  
}
```

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, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 77.4360, 0.4065, 0.4384 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, 115) }
```

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

```
.border{ border-color:rgb(255, 227, 115) }
```

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, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 115);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
115) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.4360, 0.4065, 0.4384 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, 115) }
```

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

```
.background{ background-color: rgb(255,  
227, 115) }
```

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