

# Converting Colors

$Yxy(76.9177, 0.4150, 0.4502)$

Have a look what the booklet for  
Yxy(76.9177, 0.4150, 0.4502)  
contains.

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# **Color**

**Yxy(77.0990, 0.4150, 0.4509)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE363
RGB	255, 227, 99
RGB Percent	100%, 89%, 39%
CMY	0.0000, 0.1098, 0.6120
CMYK	0.00, 0.11, 0.61, 0.00
HSL	49°, 100%, 69%
HSV	49°, 61%, 100%
XYZ	70.9605, 77.0990, 22.9296
YIQ	220.7800, 57.7760, -33.8720

# Conversions

## Conversions Part 2

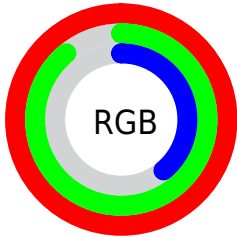
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	133, 255, 99
Decimal	16769891
CIE <sub>Lab</sub>	90.37, -4.89, 64.40
CIE <sub>LCh</sub>	90, 64.587, 94.342
Yxy	77.0990, 0.4150, 0.4509
Android (android.graphics.Color)	4294959971 (0xFFFFE363)
YUV	220.7800, -60.0375, 30.0109
Hunter-Lab	87.8060, -9.4057, 45.9813

# Details

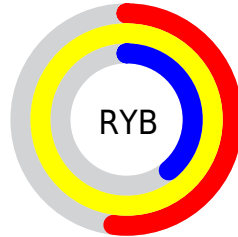
The Yxy color **77.0990, 0.4150, 0.4509** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **25.0304, 0.2003, 0.1629**, and the grayscale version is **72.5400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1131, 0.3723, 0.4275**, and **41.2816, 0.4321, 0.4732** is the 20% darker color. If you saturate the color by 10%, you get **74.2196, 0.4293, 0.4639**, and if you desaturate by 10%, it is **80.2038, 0.3988, 0.4343**.

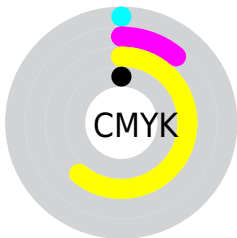
# Distribution



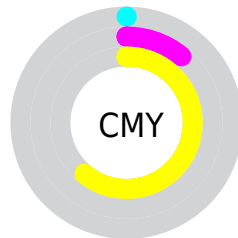
- Red (100%)
- Green (89%)
- Blue (39%)



- Red (52%)
- Yellow (100%)
- Blue (39%)



- Cyan (0%)
- Magenta (11%)
- Yellow (61%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.0990, 0.4150, 0.4509 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 77.0990, 0.4150, 0.4509 by changing the saturation by 10% instead.




 77.0990, 0.4150,  
0.4509


 77.0990, 0.4150,  
0.4509


485.1015, 0.3718,  
0.3980


 57.3341, 0.4232,  
0.4614

 129.2792, 0.4012,  
0.4337


 41.2736, 0.4324,  
0.4734

 162.4634, 0.3955,  
0.4267

 28.5329, 0.4424,  
0.4869


 200.8894, 0.3904,  
0.4205

 18.7278, 0.4527,  
0.5016

 244.9417, 0.3859,  
0.4149

 11.4737, 0.4643,  
0.5192

295.0046, 0.3818,  
0.4100

 6.3864, 0.4688,  
0.5312

351.4627, 0.3781,


 3.0814, 0.4636,


0.4056


0.5364


414.7002, 0.3748,  
0.4016


 1.1744, 0.4544,  
0.5456


 0.0406, 0.0000,  
1.0000


 77.0990, 0.4150,  
0.4509


 77.0990, 0.4150,  
0.4509

 74.2196, 0.4293,  
0.4639


 80.2038, 0.3988,  
0.4343


 71.5424, 0.4412,  
0.4725

 83.5401, 0.3816,  
0.4152

 69.0515, 0.4501,  
0.4763

 87.1226, 0.3640,  
0.3944

 66.9885, 0.4558,  
0.4763

 90.9624, 0.3467,  
0.3731

95.0698, 0.3301,  
0.3519

99.4545, 0.3145,  
0.3314

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



77.0990, 0.4575, 0.4030



77.0990, 0.4150, 0.4509



77.0990, 0.3481, 0.4695

# Triad

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



77.0990, 0.4150, 0.4509



77.0990, 0.1857, 0.2832



77.0990, 0.3378, 0.2483

# Complementary

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



77.0990, 0.4150, 0.4509



25.0304, 0.2003, 0.1629

# 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.



77.0990, 0.2635, 0.2204



77.0990, 0.4150, 0.4509



77.0990, 0.1840, 0.2338

# Square

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



77.0990, 0.4150, 0.4509



77.0990, 0.2170, 0.3595



77.0990, 0.2102, 0.2143



77.0990, 0.4130, 0.2929

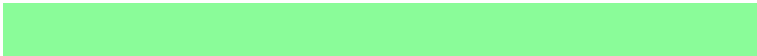


# Rectangle

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



77.0990, 0.4150, 0.4509



77.0990, 0.2991, 0.4532



77.0990, 0.2102, 0.2143



77.0990, 0.3116, 0.2368

# Sweetspot

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



77.1015, 0.4150, 0.4509



92.2474, 0.3413, 0.3663



31.7187, 0.4718, 0.3019



19.4944, 0.3462, 0.3725



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.



77.1015, 0.4150, 0.4509



73.7232, 0.4317, 0.4658



85.4815, 0.3645, 0.4919



20.5038, 0.3274, 0.3484



35.2041, 0.4551, 0.4769



3.5658, 0.4503, 0.4807



# Inverse Universe

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



25.0304, 0.2003, 0.1629



18.0298, 0.1804, 0.1287



22.4614, 0.2253, 0.1455



17.9045, 0.2979, 0.3089



4.9342, 0.1545, 0.0761



0.6168, 0.1596, 0.0943



# Previews

## White Background



This preview shows how the Yxy color 77.0990, 0.4150, 0.4509 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

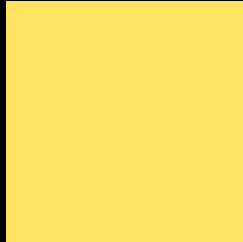
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.0990, 0.4150, 0.4509 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 77.0990, 0.4150, 0.4509**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.0990, 0.4150, 0.4509.



This preview shows how white text looks on a background with the Yxy color 77.0990, 0.4150, 0.4509.

# 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

77.0990, 0.4150, 0.4509

### Protanopia

77.2703, 0.4128, 0.4525

### Deuteranopia

76.8387, 0.3655, 0.3710



## Tritanopia

77.0600, 0.3321, 0.3181

# Trichromacy



## Original Color

77.0990, 0.4150, 0.4509

## Protanomaly

77.4585, 0.4136, 0.4521



## Deuteranomaly

76.8057, 0.3857, 0.4031



## Tritanomaly

76.3503, 0.3651, 0.3690

# Monochromacy



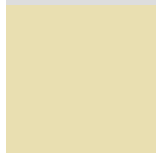
## Original Color

77.0990, 0.4150, 0.4509



## Achromatopsia

72.3055, 0.3127, 0.3290



## Achromatomaly

73.2733, 0.3513, 0.3789

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.0990, 0.4150, 0.4509 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 99)  
}
```

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, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 99) }
```

## Border

The CSS property to change the border of an element to Yxy 77.0990, 0.4150, 0.4509 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, 99) }
```

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

```
.border{ border-color:rgb(255, 227, 99) }
```

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, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
99) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.0990, 0.4150, 0.4509 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, 99) }
```

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

```
.background{ background-color: rgb(255,  
227, 99) }
```

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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