

# Converting Colors

$Yxy(72.5233, 0.3339, 0.4684)$

Have a look what the booklet for  
Yxy(72.5233, 0.3339, 0.4684)  
contains.

<b>Yxy(72.4588, 0.3337, 0.4681)</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(72.4588, 0.3337, 0.4681)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABF07D
RGB	171, 240, 125
RGB Percent	67%, 94%, 49%
CMY	0.3295, 0.0588, 0.5096
CMYK	0.29, 0.00, 0.48, 0.06
HSL	96°, 79%, 72%
HSV	96°, 48%, 94%
XYZ	51.6546, 72.4588, 30.6801
YIQ	206.2590, -4.2090, -50.3930

# Conversions

## Conversions Part 2

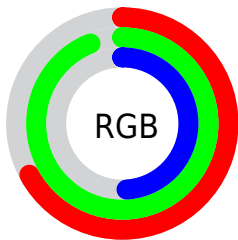
<b>Format</b>	<b>Color</b>
<b>RYB</b>	125, 240, 194
Decimal	11268221
CIELab	88.19, -41.06, 48.52
CIELCh	88, 63.560, 130.240
Yxy	72.4588, 0.3337, 0.4681
Android (android.graphics.Color)	4289458301 (0xFFABF07D)
YUV	206.2590, -40.0607, -30.9221
Hunter-Lab	85.1227, -40.6466, 38.2165

# Details

The Yxy color **72.4588, 0.3337, 0.4681** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **32.4506, 0.2763, 0.1977**, and the grayscale version is **62.1609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4733, 0.3398, 0.4073**, and **38.4069, 0.3335, 0.5040** is the 20% darker color. If you saturate the color by 10%, you get **70.3896, 0.3354, 0.4987**, and if you desaturate by 10%, it is **74.8589, 0.3306, 0.4366**.

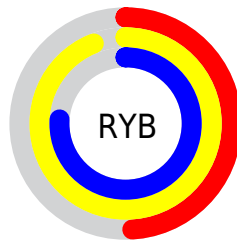
# Distribution



Red (67%)

Green (94%)

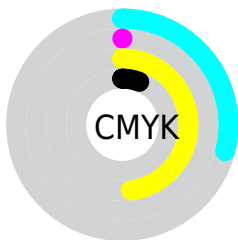
Blue (49%)



Red (49%)

Yellow (94%)

Blue (76%)

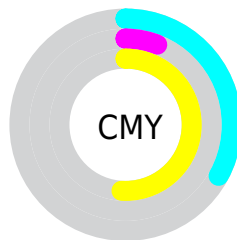


Cyan (29%)

Magenta (0%)

Yellow (48%)

Black (6%)



Cyan (33%)

Magenta (6%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4588, 0.3337, 0.4681 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 72.4588, 0.3337, 0.4681 by changing the saturation by 10% instead.





 72.4588, 0.3337,  
0.4681


 72.4588, 0.3337,  
0.4681

469.1369, 0.3272,  
0.4003


 53.5335, 0.3342,  
0.4841

 122.7086, 0.3322,  
0.4441

 38.2289, 0.3341,  
0.5040


 154.8019, 0.3314,  
0.4349

 26.1604, 0.3330,  
0.5292


 192.0534, 0.3306,  
0.4270

 16.9437, 0.3298,  
0.5618

234.8475, 0.3298,  
0.4202

 10.1943, 0.3219,  
0.6049

283.5684, 0.3291,  
0.4143

 5.5280, 0.3143,  
0.6850

338.6007, 0.3284,

 2.5603, 0.2630,

0.4090

0.7370

400.3288, 0.3278,  
0.4044

0.9067, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

72.4588, 0.3337,  
0.4681

72.4588, 0.3337,  
0.4681

70.3896, 0.3354,  
0.4987

74.8589, 0.3306,  
0.4366

68.6255, 0.3353,  
0.5267


77.5957, 0.3266,  
0.4056

67.1513, 0.3333,  
0.5504

80.6864, 0.3218,  
0.3761


65.9463, 0.3295,  
0.5682

84.1442, 0.3168,  
0.3488

 64.9838, 0.3241,  
0.5798

 87.9817, 0.3116,  
0.3240

 64.8056, 0.3230,  
0.5818

 90.8049, 0.3134,  
0.3146

# Harmonies

## Analogous

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



72.4588, 0.4035, 0.4583



72.4588, 0.3337, 0.4681



72.4588, 0.2621, 0.4234

# Triad

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



72.4588, 0.3337, 0.4681



72.4588, 0.1865, 0.2273



72.4588, 0.4257, 0.3029

# Complementary

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



72.4588, 0.3337, 0.4681



32.4506, 0.2763, 0.1977

# 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.



72.4588, 0.3536, 0.2557



72.4588, 0.3337, 0.4681



72.4588, 0.2182, 0.2131

# Square

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



72.4588, 0.3337, 0.4681



72.4588, 0.1826, 0.2707



72.4588, 0.2767, 0.2239



72.4588, 0.4630, 0.3581



# Rectangle

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



72.4588, 0.3337, 0.4681



72.4588, 0.2231, 0.3711



72.4588, 0.2767, 0.2239



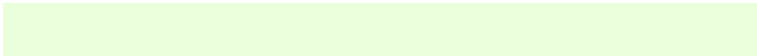
72.4588, 0.4042, 0.2859

# Sweetspot

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



72.4619, 0.3337, 0.4681



94.0688, 0.3199, 0.3653



58.6026, 0.4060, 0.4037



19.9552, 0.3210, 0.3714



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

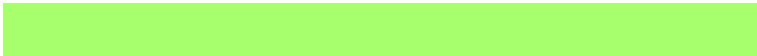


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.4619, 0.3337, 0.4681



80.9323, 0.3353, 0.4966



68.4814, 0.3001, 0.4659



17.9645, 0.3176, 0.3530



35.5452, 0.3241, 0.5809



3.0134, 0.3343, 0.5727



# Inverse Universe

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



32.4506, 0.2763, 0.1977



30.1574, 0.2667, 0.1726



38.8356, 0.3288, 0.2226



15.6981, 0.3074, 0.3053



6.7749, 0.2233, 0.1004



0.6213, 0.2359, 0.1073



# Previews

## White Background



This preview shows how the Yxy color 72.4588, 0.3337, 0.4681 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 72.4588, 0.3337, 0.4681 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

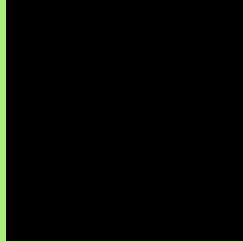
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.4588, 0.3337, 0.4681**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.4588, 0.3337, 0.4681.

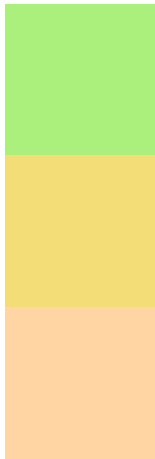


This preview shows how white text looks on a background with the Yxy color 72.4588, 0.3337, 0.4681.

# 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

72.4588, 0.3337, 0.4681

### Protanopia

72.0756, 0.3988, 0.4349

### Deuteranopia

71.4928, 0.3815, 0.3807



## Tritanopia

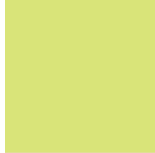
72.3496, 0.2773, 0.3089

# Trichromacy



## Original Color

72.4588, 0.3337, 0.4681



## Protanomaly

71.6190, 0.3734, 0.4471



## Deuteranomaly

70.7926, 0.3634, 0.4112



## Tritanomaly

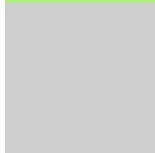
71.8754, 0.2985, 0.3656

# Monochromacy



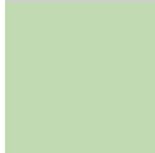
## Original Color

72.4588, 0.3337, 0.4681



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

64.6546, 0.3220, 0.3785

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.4588, 0.3337, 0.4681 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(171, 240, 125)` looks like.

```
.text, #text, p{  
    color:rgb(171, 240, 125)  
}
```

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(171, 240, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 240, 125) }
```

## Border

The CSS property to change the border of an element to Yxy 72.4588, 0.3337, 0.4681 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(171, 240, 125) }
```

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

```
.border{ border-color:rgb(171, 240, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 240, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 240, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 240, 125); box-shadow:4px 4px 4px 4px rgb(171, 240, 125) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.4588, 0.3337, 0.4681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 240, 125) }
```

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

```
.background{ background-color: rgb(171,  
240, 125) }
```

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