

# Converting Colors

$Y_{xy}(73.6738, 0.3118, 0.5124)$

Have a look what the booklet for  
Yxy(73.6738, 0.3118, 0.5124)  
contains.

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**Color**

**Yxy(73.5287, 0.3120, 0.5124)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AFA69
RGB	122, 250, 105
RGB Percent	48%, 98%, 41%
CMY	0.5212, 0.0196, 0.5882
CMYK	0.51, 0.00, 0.58, 0.02
HSL	113°, 94%, 70%
HSV	113°, 58%, 98%
XYZ	44.7716, 73.5287, 25.1984
YIQ	195.1980, -29.7430, -72.2310

# Conversions

## Conversions Part 2

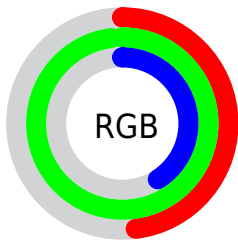
Format	Color
<a href="#">RYB</a>	<a href="#">105, 250, 233</a>
Decimal	<a href="#">8059497</a>
CIELab	<a href="#">88.70, -62.25, 57.72</a>
CIELCh	<a href="#">89, 84.897, 137.161</a>
Yxy	<a href="#">73.5287, 0.3120, 0.5124</a>
Android (android.graphics.Color)	<a href="#">4286249577</a> ( <a href="#">0xFF7AFA69</a> )
YUV	<a href="#">195.1980, -44.4676, -64.1946</a>
Hunter-Lab	<a href="#">85.7489, -56.8613, 42.6011</a>

# Details

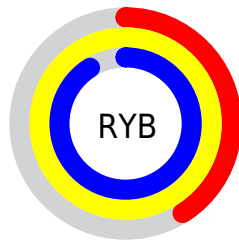
The Yxy color **73.5287, 0.3120, 0.5124** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **34.3143, 0.3032, 0.1862**, and the grayscale version is **54.9968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1253, 0.3210, 0.4381**, and **38.7703, 0.3042, 0.5601** is the 20% darker color. If you saturate the color by 10%, you get **71.6582, 0.3102, 0.5436**, and if you desaturate by 10%, it is **75.9217, 0.3132, 0.4780**.

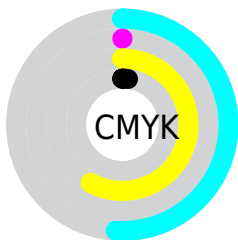
# Distribution



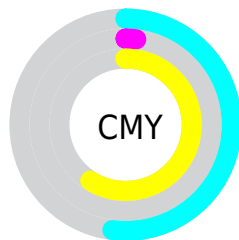
- Red (48%)
- Green (98%)
- Blue (41%)



- Red (41%)
- Yellow (98%)
- Blue (91%)



- Cyan (51%)
- Magenta (0%)
- Yellow (58%)
- Black (2%)




- Cyan (52%)
- Magenta (2%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.5287, 0.3120, 0.5124 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 73.5287, 0.3120, 0.5124 by changing the saturation by 10% instead.





 73.5287, 0.3120,  
0.5124

 73.5287, 0.3120,  
0.5124


472.8452, 0.3179,  
0.4215


 54.4084, 0.3089,  
0.5340


 124.2275, 0.3154,  
0.4800


 38.9283, 0.3042,  
0.5608


 156.5747, 0.3163,  
0.4676

 26.7039, 0.2966,  
0.5946


 194.0998, 0.3169,  
0.4571

 17.3510, 0.2841,  
0.6378

 237.1869, 0.3173,  
0.4480

 10.4850, 0.2633,  
0.6950

286.2207, 0.3176,  
0.4401

 5.7217, 0.2277,  
0.7723


341.5854, 0.3178,

 2.6766, 0.1433,


0.4331

0.8567


403.6654, 0.3179,  
0.4270


 0.9653, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000

 73.5287, 0.3120,  
0.5124


 73.5287, 0.3120,  
0.5124


 71.6582, 0.3102,  
0.5436


 75.9217, 0.3132,  
0.4780


 70.2623, 0.3079,  
0.5692


 78.8627, 0.3138,  
0.4430


 69.2999, 0.3053,  
0.5870

 82.3864, 0.3140,  
0.4091

 68.7163, 0.3028,  
0.5967

 86.5220, 0.3138,  
0.3777

 68.6352, 0.3024,  
0.5981

 91.2968, 0.3133,  
0.3493

 96.7361, 0.3126,  
0.3242

 96.8472, 0.3129,  
0.3242

# Harmonies

## Analogous

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



73.5287, 0.4039, 0.5044



73.5287, 0.3120, 0.5124



73.5287, 0.2251, 0.4349

# Triad

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



73.5287, 0.3120, 0.5124



73.5287, 0.1604, 0.1918



73.5287, 0.4793, 0.3071

# Complementary

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



73.5287, 0.3120, 0.5124



34.3143, 0.3032, 0.1862

# Split Complementary

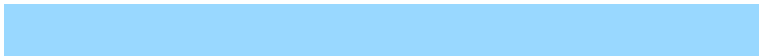
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.5287, 0.3897, 0.2474



73.5287, 0.3120, 0.5124



73.5287, 0.2057, 0.1841

# Square

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



73.5287, 0.3120, 0.5124



73.5287, 0.1473, 0.2337



73.5287, 0.2856, 0.2039



73.5287, 0.5108, 0.3745



# Rectangle

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



73.5287, 0.3120, 0.5124



73.5287, 0.1824, 0.3567



73.5287, 0.2856, 0.2039



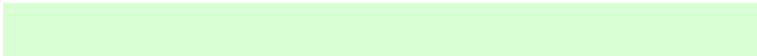
73.5287, 0.4542, 0.2860

# Sweetspot

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



73.5318, 0.3120, 0.5124



90.9706, 0.3137, 0.3748



78.3057, 0.4060, 0.4513



19.2711, 0.3138, 0.3808



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.



73.5318, 0.3120, 0.5124



74.6198, 0.3098, 0.5495



73.8454, 0.2812, 0.4495



19.4071, 0.3133, 0.3534



36.4396, 0.3029, 0.5977



3.4054, 0.3084, 0.5934



# Inverse Universe

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



34.3143, 0.3032, 0.1862



29.9442, 0.2999, 0.1645



34.4511, 0.3748, 0.2368



17.4146, 0.3119, 0.3055



11.8180, 0.2913, 0.1378

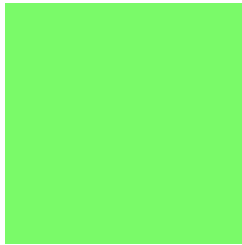


1.1230, 0.2951, 0.1399



# Previews

## White Background



This preview shows how the Yxy color 73.5287, 0.3120, 0.5124 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 73.5287, 0.3120, 0.5124 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

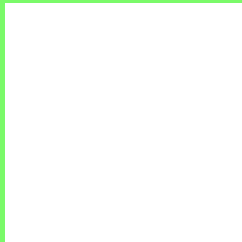
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.5287, 0.3120, 0.5124**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.5287, 0.3120, 0.5124.

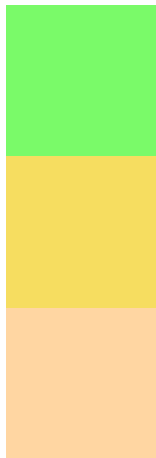


This preview shows how white text looks on a background with the Yxy color 73.5287, 0.3120, 0.5124.

# 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

73.5287, 0.3120, 0.5124

### Protanopia

72.1503, 0.4133, 0.4520

### Deuteranopia

71.9618, 0.3818, 0.3827



## Tritanopia

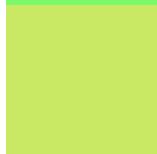
73.2478, 0.2539, 0.3071

# Trichromacy



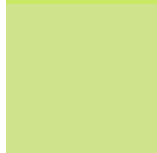
## Original Color

73.5287, 0.3120, 0.5124



## Protanomaly

71.0316, 0.3709, 0.4773



## Deuteranomaly

70.1267, 0.3541, 0.4281



## Tritanomaly

72.1530, 0.2759, 0.3787

# Monochromacy



## Original Color

73.5287, 0.3120, 0.5124



## Achromatopsia

54.5724, 0.3127, 0.3290



## Achromatomaly

59.5343, 0.3138, 0.3977

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.5287, 0.3120, 0.5124 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(122, 250, 105)` looks like.

```
.text, #text, p{  
    color:rgb(122, 250, 105)  
}
```

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(122, 250, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 250, 105) }
```

## Border

The CSS property to change the border of an element to Yxy 73.5287, 0.3120, 0.5124 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(122, 250, 105) }
```

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

```
.border{ border-color:rgb(122, 250, 105) }
```

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

Here you see how a box with a 4 pixel rgb(122, 250, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 250, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 250, 105);  
box-shadow:4px 4px 4px 4px rgb(122, 250,  
105) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.5287, 0.3120, 0.5124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 250, 105) }
```

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

```
.background{ background-color: rgb(122,  
250, 105) }
```

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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