

# Converting Colors

Yxy(73.7336, 0.2727, 0.4488)

Have a look what the booklet for  
Yxy(73.7336, 0.2727, 0.4488)  
contains.

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# Color

**Yxy(73.4989, 0.2729, 0.4489)**

# Conversions

## Conversions Part 1

Format	Color
Hex	55FBA1
RGB	85, 251, 161
RGB Percent	33%, 98%, 63%
CMY	0.6663, 0.0157, 0.3686
CMYK	0.66, 0.00, 0.36, 0.02
HSL	147°, 95%, 66%
HSV	147°, 66%, 98%
XYZ	44.6822, 73.4989, 45.5500
YIQ	191.1060, -70.0460, -63.1820

# Conversions

## Conversions Part 2

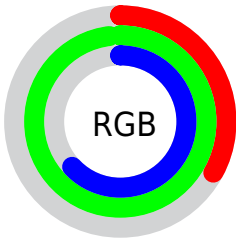
Format	Color
<b>RYB</b>	85, 199, 251
Decimal	5634977
CIELab	88.69, -62.45, 30.91
CIELCh	89, 69.682, 153.665
Yxy	73.4989, 0.2729, 0.4489
Android (android.graphics.Color)	4283825057 (0xFF55FBA1)
YUV	191.1060, -14.8423, -93.0550
Hunter-Lab	85.7315, -56.9981, 28.5107

# Details

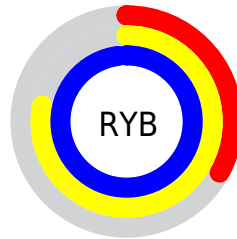
The Yxy color **73.4989, 0.2729, 0.4489** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **30.1181, 0.4075, 0.2416**, and the grayscale version is **52.2983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0572, 0.2747, 0.3745**, and **39.2441, 0.2663, 0.4788** is the 20% darker color. If you saturate the color by 10%, you get **72.0722, 0.2719, 0.4704**, and if you desaturate by 10%, it is **75.4003, 0.2758, 0.4274**.

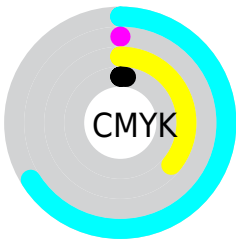
# Distribution



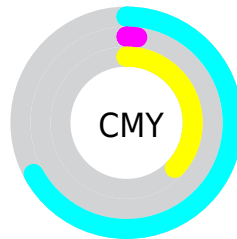
- Red (33%)
- Green (98%)
- Blue (63%)



- Red (33%)
- Yellow (78%)
- Blue (98%)



- Cyan (66%)
- Magenta (0%)
- Yellow (36%)
- Black (2%)




- Cyan (67%)
- Magenta (2%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4989, 0.2729, 0.4489 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 73.4989, 0.2729, 0.4489 by changing the saturation by 10% instead.





 73.4989, 0.2729,  
0.4489


 73.4989, 0.2729,  
0.4489


472.7421, 0.2934,  
0.3893

 54.3840, 0.2677,  
0.4635


 124.1852, 0.2805,  
0.4274


 38.9088, 0.2609,  
0.4820


 156.5254, 0.2833,  
0.4193

 26.6887, 0.2519,  
0.5062


 194.0428, 0.2856,  
0.4124

 17.3396, 0.2394,  
0.5390

 237.1219, 0.2876,  
0.4065

 10.4769, 0.2210,  
0.5854

286.1469, 0.2894,  
0.4014

 5.7163, 0.1921,  
0.6549


341.5024, 0.2909,


 2.6733, 0.1377,


0.3968


0.8338


403.5726, 0.2922,  
0.3929

 0.9637, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 73.4989, 0.2729,  
0.4489


 73.4989, 0.2729,  
0.4489


 72.0722, 0.2719,  
0.4704


 75.4003, 0.2758,  
0.4274

 71.0634, 0.2729,  
0.4913

 77.8088, 0.2803,  
0.4066

 70.4162, 0.2758,  
0.5108


 80.7638, 0.2861,  
0.3870

 70.2275, 0.2772,  
0.5181

 84.2982, 0.2929,  
0.3688

 88.4426, 0.3002,  
0.3522

 93.2249, 0.3079,  
0.3373

 97.4732, 0.3129,  
0.3252

# Harmonies

## Analogous

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



73.4989, 0.3516, 0.4838



73.4989, 0.2729, 0.4489



73.4989, 0.2094, 0.3641

# Triad

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



73.4989, 0.2729, 0.4489



73.4989, 0.2009, 0.2052



73.4989, 0.4719, 0.3455

# Complementary

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



73.4989, 0.2729, 0.4489



30.1181, 0.4075, 0.2416

# 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.



73.4989, 0.4209, 0.2881



73.4989, 0.2729, 0.4489



73.4989, 0.2572, 0.2115

# Square

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



73.4989, 0.2729, 0.4489



73.4989, 0.1737, 0.2261



73.4989, 0.3377, 0.2409



73.4989, 0.4706, 0.4058



# Rectangle

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



73.4989, 0.2729, 0.4489



73.4989, 0.1834, 0.3050



73.4989, 0.3377, 0.2409



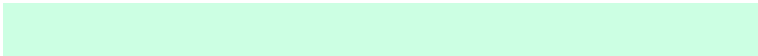
73.4989, 0.4603, 0.3257

# Sweetspot

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



73.5019, 0.2729, 0.4489



89.9220, 0.2973, 0.3585



78.9200, 0.3514, 0.5124



18.9896, 0.2952, 0.3632



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.



73.5019, 0.2729, 0.4489



74.3587, 0.2720, 0.4767



77.3817, 0.2381, 0.3388



19.4413, 0.3053, 0.3422



36.9437, 0.2764, 0.5150



3.4427, 0.2700, 0.4921



# Inverse Universe

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



30.1181, 0.4075, 0.2416



26.4946, 0.4359, 0.2350



27.8168, 0.5219, 0.3224



17.3827, 0.3209, 0.3162



11.7469, 0.4783, 0.2408

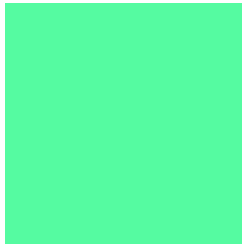


1.1094, 0.4542, 0.2276



# Previews

## White Background



This preview shows how the Yxy color 73.4989, 0.2729, 0.4489 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 73.4989, 0.2729, 0.4489 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 73.4989, 0.2729, 0.4489**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.4989, 0.2729, 0.4489.



This preview shows how white text looks on a background with the Yxy color 73.4989, 0.2729, 0.4489.

# 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

73.4989, 0.2729, 0.4489

### Protanopia

72.2017, 0.3765, 0.4069

### Deuteranopia

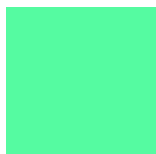
72.0228, 0.3711, 0.3663



## Tritanopia

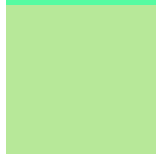
72.7749, 0.2454, 0.3079

# Trichromacy



## Original Color

73.4989, 0.2729, 0.4489



## Protanomaly

70.0804, 0.3280, 0.4247



## Deuteranomaly

69.2159, 0.3248, 0.3957



## Tritanomaly

72.4377, 0.2548, 0.3549

# Monochromacy



## Original Color

73.4989, 0.2729, 0.4489



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

57.5592, 0.2912, 0.3726

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.4989, 0.2729, 0.4489 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(85, 251, 161)` looks like.

```
.text, #text, p{  
    color:rgb(85, 251, 161)  
}
```

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(85, 251, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 251, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 73.4989, 0.2729, 0.4489 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(85, 251, 161) }
```

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

```
.border{ border-color:rgb(85, 251, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 251, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 251, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 251, 161);  
box-shadow:4px 4px 4px 4px rgb(85, 251,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.4989, 0.2729, 0.4489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 251, 161) }
```

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

```
.background{ background-color: rgb(85, 251,  
161) }
```

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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