

# Converting Colors

$Yxy(71.2032, 0.2785, 0.4478)$

Have a look what the booklet for  
Yxy(71.2032, 0.2785, 0.4478)  
contains.

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# Color

**Yxy(70.9985, 0.2789, 0.4481)**

# Conversions

## Conversions Part 1

Format	Color
Hex	63F69D
RGB	99, 246, 157
RGB Percent	39%, 96%, 62%
CMY	0.6115, 0.0353, 0.3845
CMYK	0.60, 0.00, 0.36, 0.04
HSL	144°, 89%, 68%
HSV	144°, 60%, 96%
XYZ	44.1899, 70.9985, 43.2551
YIQ	191.9010, -59.0430, -58.8430

# Conversions

## Conversions Part 2

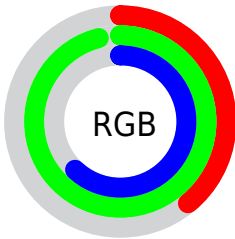
Format	Color
<a href="#">RYB</a>	<a href="#">99, 204, 246</a>
Decimal	<a href="#">6551197</a>
CIELab	<a href="#">87.48, -58.71, 31.40</a>
CIElCh	<a href="#">87, 66.576, 151.862</a>
Yxy	<a href="#">70.9985, 0.2789, 0.4481</a>
Android (android.graphics.Color)	<a href="#">4284741277 (0xFF63F69D)</a>
YUV	<a href="#">191.9010, -17.2062, -81.4742</a>
Hunter-Lab	<a href="#">84.2606, -53.8430, 28.5460</a>

# Details

The Yxy color **70.9985, 0.2789, 0.4481** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **32.1655, 0.3824, 0.2385**, and the grayscale version is **52.7896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8505, 0.2816, 0.3788**, and **37.4796, 0.2681, 0.4814** is the 20% darker color. If you saturate the color by 10%, you get **69.3410, 0.2771, 0.4720**, and if you desaturate by 10%, it is **73.1459, 0.2824, 0.4245**.

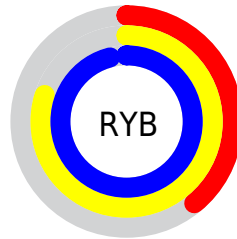
# Distribution



Red (39%)

Green (96%)

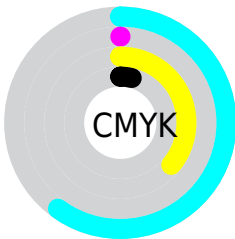
Blue (62%)



Red (39%)

Yellow (80%)

Blue (96%)

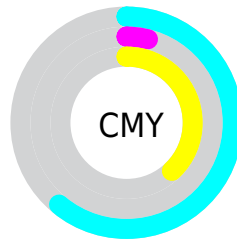


Cyan (60%)

Magenta (0%)

Yellow (36%)

Black (4%)



Cyan (61%)

Magenta (4%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.9985, 0.2789, 0.4481 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 70.9985, 0.2789, 0.4481 by changing the saturation by 10% instead.





 70.9985, 0.2789,  
0.4481


 70.9985, 0.2789,  
0.4481


464.0482, 0.2968,  
0.3887


 52.3410, 0.2742,  
0.4627


 120.6316, 0.2856,  
0.4266

 37.2769, 0.2681,  
0.4814


 152.3759, 0.2880,  
0.4185

 25.4220, 0.2599,  
0.5058


 189.2514, 0.2901,  
0.4116

 16.3917, 0.2482,  
0.5389

231.6422, 0.2918,  
0.4057

 9.8018, 0.2307,  
0.5862

279.9330, 0.2933,  
0.4006

 5.2677, 0.2023,  
0.6572

334.5079, 0.2946,

 2.4052, 0.1446,

0.3961

0.8554

395.7515, 0.2958,  
0.3922

0.8286, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

70.9985, 0.2789,  
0.4481

70.9985, 0.2789,  
0.4481

69.3410, 0.2771,  
0.4720

73.1459, 0.2824,  
0.4245

68.1227, 0.2771,  
0.4954

75.8112, 0.2871,  
0.4019


67.2971, 0.2791,  
0.5174


79.0306, 0.2929,  
0.3808

66.7854, 0.2826,  
0.5371

82.8342, 0.2993,  
0.3615

 66.7734, 0.2827,  
0.5376

 87.2503, 0.3060,  
0.3441

 92.3049, 0.3129,  
0.3286

 94.3918, 0.3131,  
0.3204

# Harmonies

## Analogous

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



70.9985, 0.3555, 0.4784



70.9985, 0.2789, 0.4481



70.9985, 0.2157, 0.3684

# Triad

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



70.9985, 0.2789, 0.4481



70.9985, 0.2017, 0.2091



70.9985, 0.4651, 0.3421

# Complementary

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



70.9985, 0.2789, 0.4481



32.1655, 0.3824, 0.2385

# 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.



70.9985, 0.4131, 0.2864



70.9985, 0.2789, 0.4481



70.9985, 0.2550, 0.2137

# Square

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



70.9985, 0.2789, 0.4481



70.9985, 0.1768, 0.2315



70.9985, 0.3320, 0.2411



70.9985, 0.4673, 0.4009



# Rectangle

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



70.9985, 0.2789, 0.4481



70.9985, 0.1889, 0.3109



70.9985, 0.3320, 0.2411



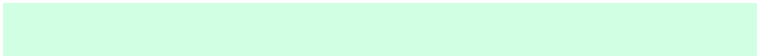
70.9985, 0.4528, 0.3228

# Sweetspot

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



71.0014, 0.2789, 0.4481



90.6462, 0.3004, 0.3584



77.7196, 0.3569, 0.4921



19.1230, 0.2985, 0.3637



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.



71.0014, 0.2789, 0.4481



74.8804, 0.2769, 0.4778



74.2176, 0.2463, 0.3500



18.5802, 0.3062, 0.3437



35.6667, 0.2818, 0.5345



3.1544, 0.2749, 0.5095



# Inverse Universe

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



32.1655, 0.3824, 0.2385



29.2223, 0.4041, 0.2269



29.7958, 0.4786, 0.3124



16.6512, 0.3199, 0.3148



11.6458, 0.4517, 0.2262

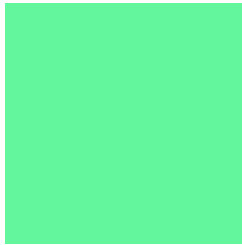


1.0437, 0.4308, 0.2147



# Previews

## White Background



This preview shows how the Yxy color 70.9985, 0.2789, 0.4481 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 70.9985, 0.2789, 0.4481 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

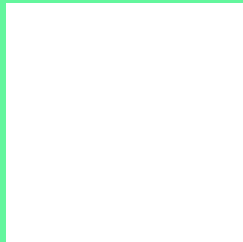
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.9985, 0.2789, 0.4481**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.9985, 0.2789, 0.4481.

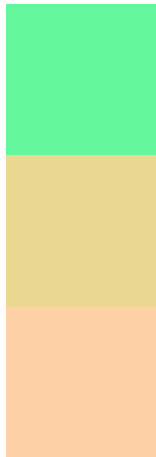


This preview shows how white text looks on a background with the Yxy color 70.9985, 0.2789, 0.4481.

# 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

70.9985, 0.2789, 0.4481

### Protanopia

69.5029, 0.3777, 0.4069

### Deuteranopia

69.6509, 0.3799, 0.3726



## Tritanopia

70.5267, 0.2435, 0.3064

# Trichromacy



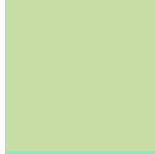
## Original Color

70.9985, 0.2789, 0.4481



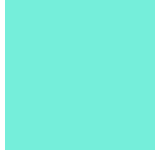
## Protanomaly

68.0958, 0.3333, 0.4249



## Deuteranomaly

66.8927, 0.3344, 0.3993



## Tritanomaly

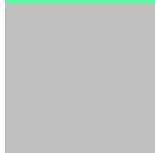
69.9929, 0.2557, 0.3540

# Monochromacy



## Original Color

70.9985, 0.2789, 0.4481



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

57.6107, 0.2958, 0.3723

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.9985, 0.2789, 0.4481 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(99, 246, 157)` looks like.

```
.text, #text, p{  
    color:rgb(99, 246, 157)  
}
```

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(99, 246, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 246, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 70.9985, 0.2789, 0.4481 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(99, 246, 157) }
```

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

```
.border{ border-color:rgb(99, 246, 157) }
```

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

Here you see how a box with a 4 pixel rgb(99, 246, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 246, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 246, 157);  
box-shadow:4px 4px 4px 4px rgb(99, 246,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.9985, 0.2789, 0.4481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 246, 157) }
```

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

```
.background{ background-color: rgb(99, 246,  
157) }
```

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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