

# Converting Colors

$Yxy(78.6375, 0.2706, 0.4123)$

Have a look what the booklet for  
Yxy(78.6375, 0.2706, 0.4123)  
contains.

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# Color

**Yxy(78.6389, 0.2705, 0.4120)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70FFBD
RGB	112, 255, 189
RGB Percent	44%, 100%, 74%
CMY	0.5606, 0.0000, 0.2588
CMYK	0.56, 0.00, 0.26, 0.00
HSL	152°, 100%, 72%
HSV	152°, 56%, 100%
XYZ	51.6306, 78.6389, 60.6016
YIQ	204.7190, -64.0420, -50.8420

# Conversions

## Conversions Part 2

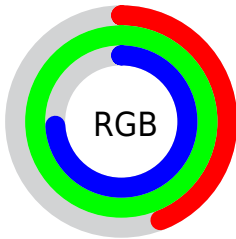
Format	Color
<a href="#">RYB</a>	<a href="#">112, 205, 255</a>
Decimal	<a href="#">7405501</a>
CIELab	<a href="#">91.07, -53.54, 20.09</a>
CIELCh	<a href="#">91, 57.188, 159.433</a>
Yxy	<a href="#">78.6389, 0.2705, 0.4120</a>
Android (android.graphics.Color)	<a href="#">4285595581 (0xFF70FFBD)</a>
YUV	<a href="#">204.7190, -7.7495, -81.3146</a>
Hunter-Lab	<a href="#">88.6786, -51.2608, 21.5571</a>

# Details

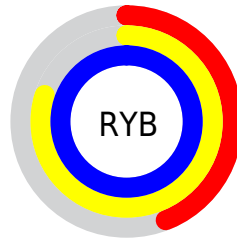
The Yxy color **78.6389, 0.2705, 0.4120** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **36.0725, 0.4010, 0.2626**, and the grayscale version is **60.9503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9968, 0.2714, 0.3398**, and **42.1329, 0.2597, 0.4340** is the 20% darker color. If you saturate the color by 10%, you get **76.7076, 0.2670, 0.4302**, and if you desaturate by 10%, it is **81.0903, 0.2757, 0.3945**.

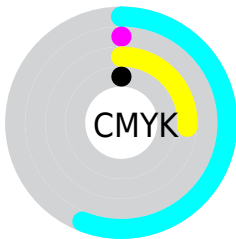
# Distribution



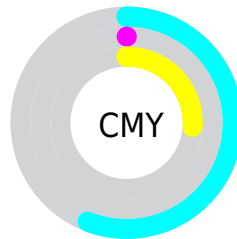
- Red (44%)
- Green (100%)
- Blue (74%)



- Red (44%)
- Yellow (80%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)




- Cyan (56%)
- Magenta (0%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6389, 0.2705, 0.4120 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 78.6389, 0.2705, 0.4120 by changing the saturation by 10% instead.




 78.6389, 0.2705,  
0.4120


 78.6389, 0.2705,  
0.4120

490.3339, 0.2908,  
0.3719


 58.5990, 0.2657,  
0.4216

 131.4504, 0.2777,  
0.3978

 42.2904, 0.2597,  
0.4336


 164.9907, 0.2804,  
0.3923

 29.3287, 0.2519,  
0.4491


 203.8000, 0.2828,  
0.3877

 19.3296, 0.2416,  
0.4698

248.2625, 0.2848,  
0.3837

 11.9087, 0.2271,  
0.4990

298.7628, 0.2866,  
0.3802

 6.6815, 0.2057,  
0.5426


355.6852, 0.2882,


 3.2637, 0.1714,


0.3771

0.6133


419.4141, 0.2895,  
0.3744


 1.2709, 0.0000,  
1.0000


 0.1185, 0.0000,  
1.0000


 78.6389, 0.2705,  
0.4120


 78.6389, 0.2705,  
0.4120


 76.7076, 0.2670,  
0.4302


 81.0903, 0.2757,  
0.3945


 75.2466, 0.2654,  
0.4485


 84.0916, 0.2824,  
0.3780

 74.2095, 0.2659,  
0.4667

 87.6789, 0.2901,  
0.3626

 73.5352, 0.2683,  
0.4841

 91.8832, 0.2984,  
0.3486

 73.3342, 0.2697,  
0.4907

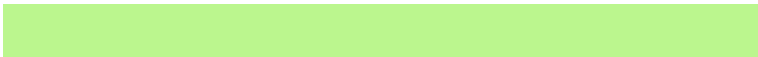
 96.7332, 0.3073,  
0.3360

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.



78.6389, 0.3344, 0.4499



78.6389, 0.2705, 0.4120



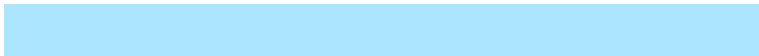
78.6389, 0.2212, 0.3441

# Triad

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



78.6389, 0.2705, 0.4120



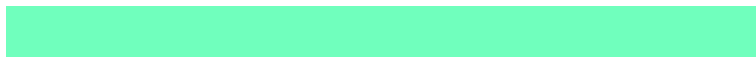
78.6389, 0.2278, 0.2256



78.6389, 0.4442, 0.3553

# Complementary

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



78.6389, 0.2705, 0.4120



36.0725, 0.4010, 0.2626

# 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.



78.6389, 0.4102, 0.3054



78.6389, 0.2705, 0.4120



78.6389, 0.2797, 0.2344

# Square

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



78.6389, 0.2705, 0.4120



78.6389, 0.1995, 0.2398



78.6389, 0.3472, 0.2628



78.6389, 0.4373, 0.4049



# Rectangle

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



78.6389, 0.2705, 0.4120



78.6389, 0.2020, 0.2994



78.6389, 0.3472, 0.2628



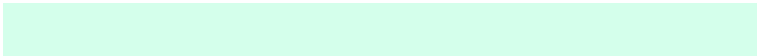
78.6389, 0.4373, 0.3383

# Sweetspot

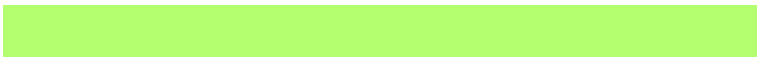
The Sweet Spot groups the original color and five complimentary colors.



78.6414, 0.2705, 0.4120



91.4625, 0.2976, 0.3499



82.2450, 0.3413, 0.4905



19.3876, 0.2959, 0.3526



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.



78.6414, 0.2705, 0.4120



76.5514, 0.2667, 0.4319



79.1843, 0.2408, 0.3233



20.3317, 0.3042, 0.3402



38.3492, 0.2689, 0.4880



3.7560, 0.2634, 0.4683



# Inverse Universe

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



36.0725, 0.4010, 0.2626



30.2691, 0.4284, 0.2541



35.1074, 0.4807, 0.3341



18.1266, 0.3221, 0.3181



11.8182, 0.5127, 0.2598

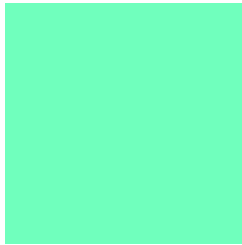


1.1725, 0.4852, 0.2447



# Previews

## White Background



This preview shows how the Yxy color 78.6389, 0.2705, 0.4120 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 78.6389, 0.2705, 0.4120 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

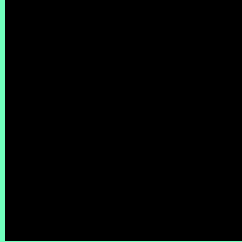
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.6389, 0.2705, 0.4120**

## Background



This preview shows how black text looks on a background with the Yxy color 78.6389, 0.2705, 0.4120.

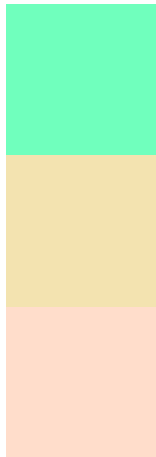


This preview shows how white text looks on a background with the Yxy color 78.6389, 0.2705, 0.4120.

# 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

78.6389, 0.2705, 0.4120

### Protanopia

77.1274, 0.3586, 0.3827

### Deuteranopia

77.2847, 0.3500, 0.3474



## Tritanopia

77.8650, 0.2620, 0.3122

# Trichromacy



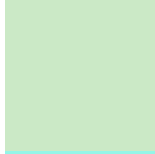
## Original Color

78.6389, 0.2705, 0.4120



## Protanomaly

75.5067, 0.3189, 0.3939



## Deuteranomaly

75.0516, 0.3142, 0.3687



## Tritanomaly

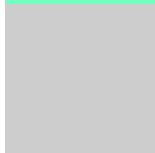
77.3702, 0.2646, 0.3453

# Monochromacy



## Original Color

78.6389, 0.2705, 0.4120



## Achromatopsia

61.0496, 0.3127, 0.3290



## Achromatomaly

65.5568, 0.2924, 0.3584

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.6389, 0.2705, 0.4120 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(112, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(112, 255, 189)  
}
```

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(112, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 255, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 78.6389, 0.2705, 0.4120 is called "border". The border property can be set on classes, ids or directly on the HTML element.

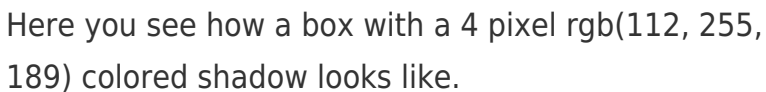
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(112, 255, 189) }
```

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

```
.border{ border-color:rgb(112, 255, 189) }
```

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



Here you see how a box with a 4 pixel `rgb(112, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 255, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 255, 189); box-shadow:4px 4px 4px 4px rgb(112, 255, 189) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.6389, 0.2705, 0.4120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 255, 189) }
```

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

```
.background{ background-color: rgb(112,  
255, 189) }
```

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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