

# Converting Colors

$Yxy(67.5437, 0.2399, 0.2979)$

Have a look what the booklet for  
Yxy(67.5437, 0.2399, 0.2979)  
contains.

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# Color

**Yxy(67.5437, 0.2399, 0.2979)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CE5FF
RGB	124, 229, 255
RGB Percent	49%, 90%, 100%
CMY	0.5134, 0.1020, 0.0000
CMYK	0.51, 0.10, 0.00, 0.00
HSL	192°, 100%, 74%
HSV	192°, 51%, 100%
XYZ	54.3932, 67.5437, 104.7959
YIQ	200.5690, -70.9260, -14.1740

# Conversions

## Conversions Part 2

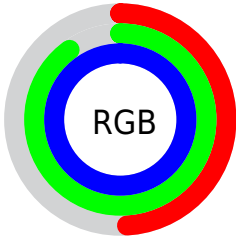
Format	Color
<b>RYB</b>	124, 182, 255
Decimal	8185343
CIELab	85.78, -23.58, -21.99
CIELCh	86, 32.239, 222.999
Yxy	67.5437, 0.2399, 0.2979
Android (android.graphics.Color)	4286375423 (0xFF7CE5FF)
YUV	200.5690, 26.8345, -67.1510
Hunter-Lab	82.1850, -25.6855, -18.0725

# Details

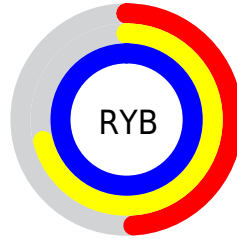
The Yxy color **67.5437, 0.2399, 0.2979** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.5622, 0.4460, 0.3561**, and the grayscale version is **58.0051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **34.8942, 0.2234, 0.2894** is the 20% darker color. If you saturate the color by 10%, you get **63.1197, 0.2294, 0.2908**, and if you desaturate by 10%, it is **72.5429, 0.2521, 0.3048**.

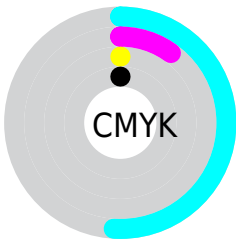
# Distribution



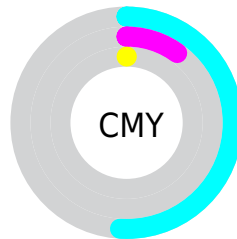
- Red (49%)
- Green (90%)
- Blue (100%)



- Red (49%)
- Yellow (71%)
- Blue (100%)



- Cyan (51%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)




- Cyan (51%)
- Magenta (10%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.5437, 0.2399, 0.2979 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 67.5437, 0.2399, 0.2979 by changing the saturation by 10% instead.





 67.5437, 0.2399,  
0.2979

 67.5437, 0.2399,  
0.2979


451.8776, 0.2730,  
0.3133


 49.5266, 0.2325,  
0.2942


 115.6991, 0.2512,  
0.3034

 35.0374, 0.2236,  
0.2895


 146.6063, 0.2557,  
0.3055

 23.6917, 0.2124,  
0.2835


 182.5789, 0.2595,  
0.3073

 15.1051, 0.1982,  
0.2754

224.0013, 0.2629,  
0.3088

 8.8932, 0.1795,  
0.2640

271.2580, 0.2659,  
0.3101

 4.6716, 0.1542,  
0.2472

324.7334, 0.2685,

 2.0559, 0.1189,

0.3113

0.2205

384.8118, 0.2709,  
0.3123

0.6396, 0.0091,  
0.1805

0.0000, 0.0000,  
0.0000

67.5437, 0.2399,  
0.2979

67.5437, 0.2399,  
0.2979

63.1197, 0.2294,  
0.2908

72.5429, 0.2521,  
0.3048

59.2283, 0.2206,  
0.2835

78.1494, 0.2656,  
0.3114

55.8255, 0.2139,  
0.2761

84.3962, 0.2800,  
0.3175

52.8571, 0.2091,  
0.2688

91.3130, 0.2952,  
0.3232

■ 50.5650, 0.2063,  
0.2626

■ 98.9275, 0.3106,  
0.3283

■ 100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

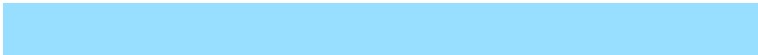
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.5437, 0.2544, 0.3344



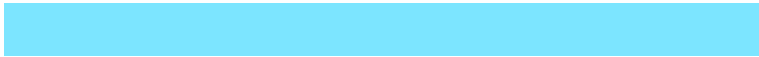
67.5437, 0.2399, 0.2979



67.5437, 0.2433, 0.2732

# Triad

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



67.5437, 0.2399, 0.2979



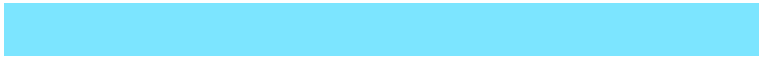
67.5437, 0.3388, 0.2908



67.5437, 0.3607, 0.3989

# Complementary

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



67.5437, 0.2399, 0.2979



44.5622, 0.4460, 0.3561

# 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.



67.5437, 0.3862, 0.3813



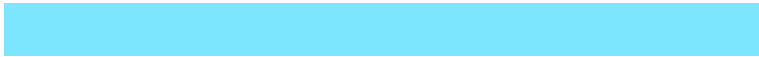
67.5437, 0.2399, 0.2979



67.5437, 0.3738, 0.3196

# Square

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



67.5437, 0.2399, 0.2979



67.5437, 0.2983, 0.2710



67.5437, 0.3915, 0.3520

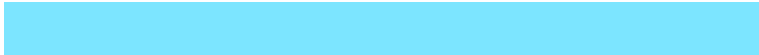


67.5437, 0.3231, 0.3967

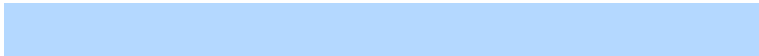


# Rectangle

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



67.5437, 0.2399, 0.2979



67.5437, 0.2553, 0.2655



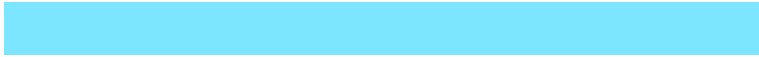
67.5437, 0.3915, 0.3520



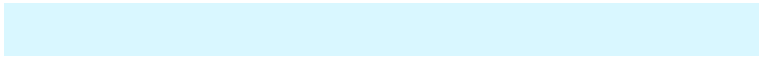
67.5437, 0.3710, 0.3949

# Sweetspot

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



67.5448, 0.2399, 0.2979



88.7000, 0.2896, 0.3212



77.9528, 0.2945, 0.4643



18.6725, 0.2864, 0.3200



0.0000, 0.0000, 0.0000

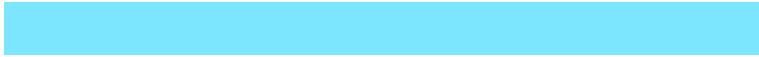


21.4041, 0.3127, 0.3290



# Same Dimension

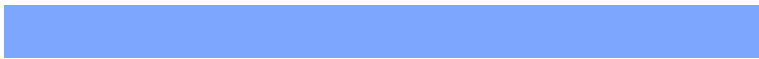
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.5448, 0.2399, 0.2979



62.8458, 0.2287, 0.2903



38.6190, 0.2237, 0.2163



19.8321, 0.2980, 0.3242



26.6373, 0.2066, 0.2638



2.7423, 0.2089, 0.2721



# Inverse Universe

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



41.3545, 0.3425, 0.2263



35.1504, 0.3507, 0.2093



70.5807, 0.4084, 0.4189



18.2349, 0.3169, 0.3102



13.4170, 0.3787, 0.1860

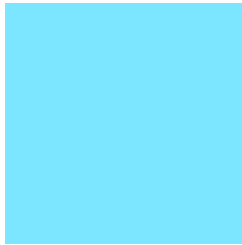


1.3214, 0.3709, 0.1817



# Previews

## White Background



This preview shows how the Yxy color 67.5437, 0.2399, 0.2979 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

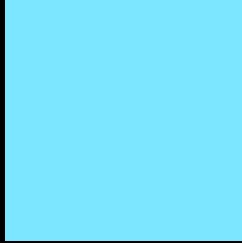
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.5437, 0.2399, 0.2979 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

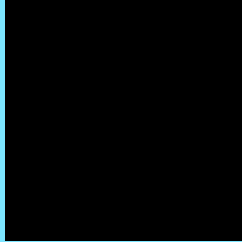
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.5437, 0.2399, 0.2979**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.5437, 0.2399, 0.2979.



This preview shows how white text looks on a background with the Yxy color 67.5437, 0.2399, 0.2979.

# 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

67.5437, 0.2399, 0.2979

### Protanopia

66.9679, 0.2896, 0.2951

### Deuteranopia

66.6698, 0.2842, 0.2798



## Tritanopia

67.5708, 0.2419, 0.3060

# Trichromacy



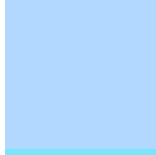
## Original Color

67.5437, 0.2399, 0.2979



## Protanomaly

66.2053, 0.2680, 0.2958



## Deuteranomaly

65.9154, 0.2647, 0.2851



## Tritanomaly

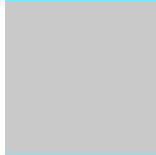
67.7696, 0.2414, 0.3037

# Monochromacy



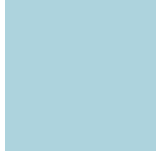
## Original Color

67.5437, 0.2399, 0.2979



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

60.6932, 0.2797, 0.3168

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  67.5437, 0.2399, 0.2979 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(124, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(124, 229, 255)  
}
```

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(124, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 229, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 67.5437, 0.2399, 0.2979 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(124, 229, 255) }
```

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

```
.border{ border-color:rgb(124, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(124, 229,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.5437, 0.2399, 0.2979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 229, 255) }
```

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

```
.background{ background-color: rgb(124,  
229, 255) }
```

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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