

# Converting Colors

$Yxy(77.7169, 0.2133, 0.2331)$

Have a look what the booklet for  
Yxy(77.7169, 0.2133, 0.2331)  
contains.

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# Color

**Yxy(71.8533, 0.2407, 0.3076)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79EDFF
RGB	121, 237, 255
RGB Percent	47%, 93%, 100%
CMY	0.5252, 0.0706, 0.0000
CMYK	0.53, 0.07, 0.00, 0.00
HSL	188°, 100%, 74%
HSV	188°, 53%, 100%
XYZ	56.2259, 71.8533, 105.5141
YIQ	204.3680, -74.9140, -18.9940

# Conversions

## Conversions Part 2

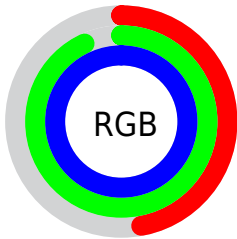
Format	Color
R <sub>Y</sub> B	121, 183, 255
Decimal	7990783
CIE Lab	87.90, -28.11, -18.78
CIE LCh	88, 33.804, 213.752
Yxy	71.8533, 0.2407, 0.3076
Android (android.graphics.Color)	4286180863 (0xFF79EDFF)
YUV	204.3680, 24.9616, -73.1137
Hunter-Lab	84.7663, -29.9412, -14.4656

# Details

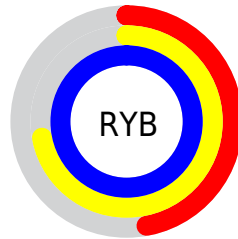
The Yxy color **71.8533, 0.2407, 0.3076** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.1284, 0.4560, 0.3477**, and the grayscale version is **60.5145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **37.8818, 0.2249, 0.3023** is the 20% darker color. If you saturate the color by 10%, you get **68.2834, 0.2312, 0.3029**, and if you desaturate by 10%, it is **75.9532, 0.2519, 0.3122**.

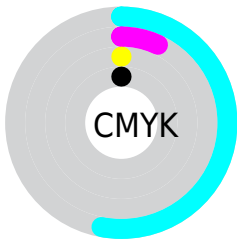
# Distribution



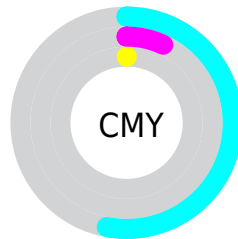
- Red (47%)
- Green (93%)
- Blue (100%)



- Red (47%)
- Yellow (72%)
- Blue (100%)



- Cyan (53%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (53%)
- Magenta (7%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.8533, 0.2407, 0.3076 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 71.8533, 0.2407, 0.3076 by changing the saturation by 10% instead.




 71.8533, 0.2407,  
0.3076


 71.8533, 0.2407,  
0.3076


467.0308, 0.2731,  
0.3184


 53.0388, 0.2336,  
0.3049


 121.8479, 0.2517,  
0.3115

 37.8338, 0.2249,  
0.3016


 153.7969, 0.2561,  
0.3130

 25.8537, 0.2141,  
0.2972


 190.8929, 0.2599,  
0.3142

 16.7142, 0.2004,  
0.2912

233.5202, 0.2632,  
0.3153

 10.0310, 0.1825,  
0.2827

282.0632, 0.2661,  
0.3162

 5.4195, 0.1584,  
0.2700

336.9064, 0.2687,

 2.4954, 0.1248,

0.3171

398.4342, 0.2710,  
0.3178

0.2492

0.8743, 0.0366,  
0.2210

0.0000, 0.0000,  
0.0000

71.8533, 0.2407,  
0.3076

71.8533, 0.2407,  
0.3076

68.2834, 0.2312,  
0.3029

75.9532, 0.2519,  
0.3122

65.1962, 0.2236,  
0.2981

80.6106, 0.2647,  
0.3166

62.5490, 0.2180,  
0.2933

85.8599, 0.2786,  
0.3208

60.2865, 0.2143,  
0.2885

91.7306, 0.2934,  
0.3246

■ 58.7856, 0.2125,  
0.2850

■ 98.2501, 0.3088,  
0.3282

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.



71.8533, 0.2608, 0.3471



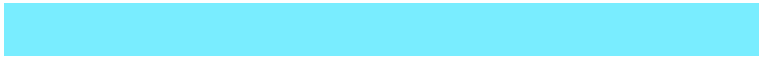
71.8533, 0.2407, 0.3076



71.8533, 0.2385, 0.2779

# Triad

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



71.8533, 0.2407, 0.3076



71.8533, 0.3266, 0.2823



71.8533, 0.3718, 0.3970

# Complementary

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



71.8533, 0.2407, 0.3076



41.1284, 0.4560, 0.3477

# 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.



71.8533, 0.3924, 0.3741



71.8533, 0.2407, 0.3076



71.8533, 0.3658, 0.3095

# Square

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



71.8533, 0.2407, 0.3076



71.8533, 0.2859, 0.2659



71.8533, 0.3905, 0.3422



71.8533, 0.3359, 0.4019

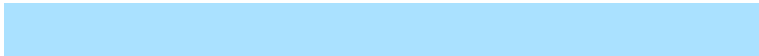


# Rectangle

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



71.8533, 0.2407, 0.3076



71.8533, 0.2472, 0.2666



71.8533, 0.3905, 0.3422



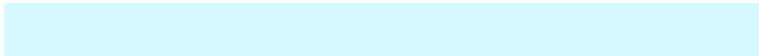
71.8533, 0.3808, 0.3909

# Sweetspot

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



71.8559, 0.2407, 0.3076



89.6166, 0.2882, 0.3233



77.4518, 0.2972, 0.4764



18.9216, 0.2851, 0.3225



0.0000, 0.0000, 0.0000

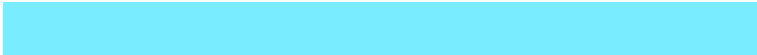


21.4041, 0.3127, 0.3290

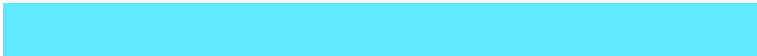


# Same Dimension

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



71.8559, 0.2407, 0.3076



68.1251, 0.2308, 0.3026



40.1057, 0.2233, 0.2220



20.0403, 0.2980, 0.3257



30.8783, 0.2127, 0.2858



3.1169, 0.2142, 0.2912



# Inverse Universe

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



41.0656, 0.3350, 0.2171



35.2341, 0.3405, 0.1998



66.7327, 0.4147, 0.4146



18.2559, 0.3159, 0.3087



13.8452, 0.3582, 0.1747

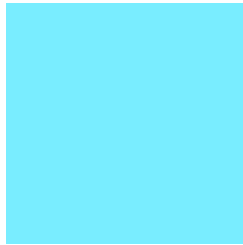


1.3592, 0.3533, 0.1720



# Previews

## White Background



This preview shows how the Yxy color 71.8533, 0.2407, 0.3076 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

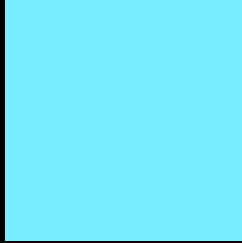
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.8533, 0.2407, 0.3076 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

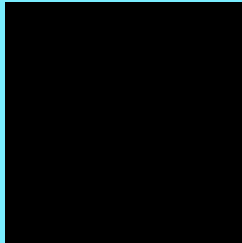
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.8533, 0.2407, 0.3076**

## Background



This preview shows how black text looks on a background with the Yxy color 71.8533, 0.2407, 0.3076.

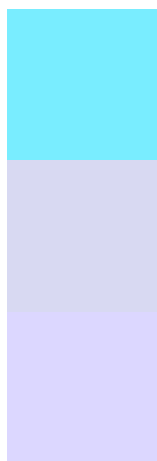


This preview shows how white text looks on a background with the Yxy color 71.8533, 0.2407, 0.3076.

# 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

71.8533, 0.2407, 0.3076

### Protanopia

70.6354, 0.2958, 0.3021

### Deuteranopia

71.0365, 0.2904, 0.2871



## Tritanopia

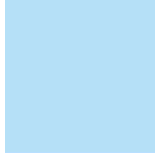
71.6465, 0.2424, 0.3065

# Trichromacy



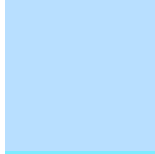
## Original Color

71.8533, 0.2407, 0.3076



## Protanomaly

69.8505, 0.2711, 0.3030



## Deuteranomaly

70.1857, 0.2685, 0.2935



## Tritanomaly

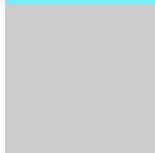
71.4960, 0.2416, 0.3065

# Monochromacy



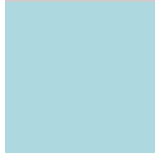
## Original Color

71.8533, 0.2407, 0.3076



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

63.4381, 0.2796, 0.3205

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.8533, 0.2407, 0.3076 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(121, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(121, 237, 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(121, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 237, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 71.8533, 0.2407, 0.3076 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(121, 237, 255) }
```

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

```
.border{ border-color:rgb(121, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(121, 237,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.8533, 0.2407, 0.3076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 237, 255) }
```

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

```
.background{ background-color: rgb(121,  
237, 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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