

# Converting Colors

$Yxy(77.7995, 0.2403, 0.3206)$

Have a look what the booklet for  
Yxy(77.7995, 0.2403, 0.3206)  
contains.

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# Color

**Yxy(77.7995, 0.2403, 0.3206)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70F8FF
RGB	112, 248, 255
RGB Percent	44%, 97%, 100%
CMY	0.5602, 0.0275, 0.0000
CMYK	0.56, 0.03, 0.00, 0.00
HSL	183°, 100%, 72%
HSV	183°, 56%, 100%
XYZ	58.3132, 77.7995, 106.5557
YIQ	208.1340, -83.3030, -26.6550

# Conversions

## Conversions Part 2

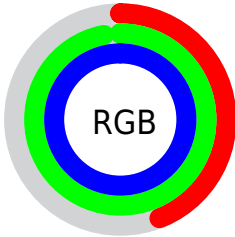
<b>Format</b>	<b>Color</b>
<b>RYB</b>	112, 182, 255
Decimal	7403775
CIELab	90.69, -35.00, -14.62
CIELCh	91, 37.933, 202.668
Yxy	77.7995, 0.2403, 0.3206
Android (android.graphics.Color)	4285593855 (0xFF70F8FF)
YUV	208.1340, 23.1049, -84.3095
Hunter-Lab	88.2040, -36.3476, -9.8830

# Details

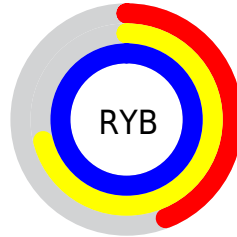
The Yxy color **77.7995, 0.2403, 0.3206** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **35.6641, 0.4790, 0.3364**, and the grayscale version is **63.0803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **41.6622, 0.2248, 0.3180** is the 20% darker color. If you saturate the color by 10%, you get **75.5899, 0.2326, 0.3189**, and if you desaturate by 10%, it is **80.4929, 0.2499, 0.3223**.

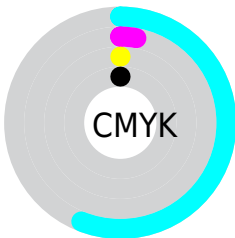
# Distribution



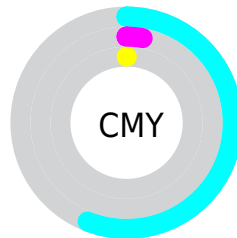
- Red (44%)
- Green (97%)
- Blue (100%)



- Red (44%)
- Yellow (71%)
- Blue (100%)



- Cyan (56%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (56%)
- Magenta (3%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7995, 0.2403, 0.3206 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 77.7995, 0.2403, 0.3206 by changing the saturation by 10% instead.




 77.7995, 0.2403,  
0.3206


 77.7995, 0.2403,  
0.3206


487.4856, 0.2725,  
0.3254

 57.9093, 0.2333,  
0.3193


 130.2674, 0.2512,  
0.3224

 41.7357, 0.2248,  
0.3176


 163.6140, 0.2555,  
0.3231

 28.8944, 0.2143,  
0.3154


 202.2147, 0.2593,  
0.3236

 19.0010, 0.2010,  
0.3122

246.4541, 0.2626,  
0.3241

 11.6710, 0.1838,  
0.3075

296.7165, 0.2655,  
0.3245

 6.5201, 0.1608,  
0.3001

353.3862, 0.2681,

 3.1638, 0.1289,

0.3248

0.2873

416.8478, 0.2704,  
0.3251

■ 1.2178, 0.0597,  
0.2693

■ 0.0762, 0.0000,  
0.0641

■ 77.7995, 0.2403,  
0.3206

■ 77.7995, 0.2403,  
0.3206

■ 75.5899, 0.2326,  
0.3189

■ 80.4929, 0.2499,  
0.3223

■ 73.8156, 0.2269,  
0.3173

■ 83.6990, 0.2613,  
0.3239

■ 72.4309, 0.2230,  
0.3156

■ 87.4531, 0.2742,  
0.3254

■ 71.3760, 0.2209,  
0.3140

■ 91.7853, 0.2883,  
0.3269

71.0129, 0.2204,  
0.3133

96.7233, 0.3033,  
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.



77.7995, 0.2684, 0.3648



77.7995, 0.2403, 0.3206



77.7995, 0.2307, 0.2831

# Triad

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



77.7995, 0.2403, 0.3206



77.7995, 0.3108, 0.2702



77.7995, 0.3878, 0.3954

# Complementary

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



77.7995, 0.2403, 0.3206



35.6641, 0.4790, 0.3364

# 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.



77.7995, 0.4021, 0.3654



77.7995, 0.2403, 0.3206



77.7995, 0.3560, 0.2958

# Square

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



77.7995, 0.2403, 0.3206



77.7995, 0.2691, 0.2577



77.7995, 0.3904, 0.3296



77.7995, 0.3535, 0.4097

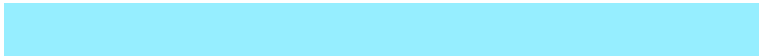


# Rectangle

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



77.7995, 0.2403, 0.3206



77.7995, 0.2353, 0.2667



77.7995, 0.3904, 0.3296



77.7995, 0.3953, 0.3866

# Sweetspot

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



77.8020, 0.2403, 0.3206



91.3351, 0.2869, 0.3267



76.2564, 0.3024, 0.5049



19.3555, 0.2840, 0.3265



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

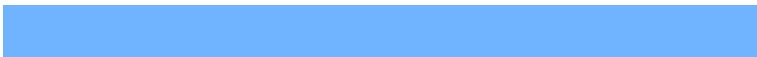
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8020, 0.2403, 0.3206



75.3977, 0.2319, 0.3188



42.8387, 0.2214, 0.2323



20.3196, 0.2980, 0.3278



37.1725, 0.2205, 0.3136



3.6645, 0.2210, 0.3155



# Inverse Universe

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



39.6570, 0.3253, 0.2016



34.3156, 0.3278, 0.1839



58.5426, 0.4317, 0.4061



18.2841, 0.3146, 0.3067



14.4806, 0.3336, 0.1612

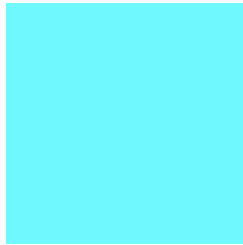


1.4145, 0.3320, 0.1603



# Previews

## White Background



This preview shows how the Yxy color 77.7995, 0.2403, 0.3206 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

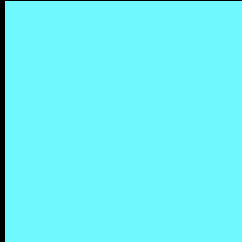
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.7995, 0.2403, 0.3206 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

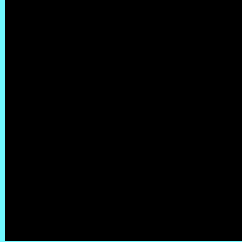
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.7995, 0.2403, 0.3206**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.7995, 0.2403, 0.3206.

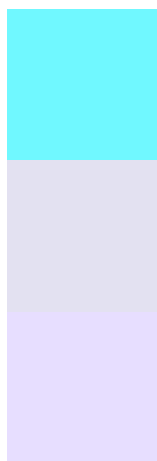


This preview shows how white text looks on a background with the Yxy color 77.7995, 0.2403, 0.3206.

# 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

77.7995, 0.2403, 0.3206

### Protanopia

76.5322, 0.3039, 0.3123

### Deuteranopia

76.4515, 0.2979, 0.2953



## Tritanopia

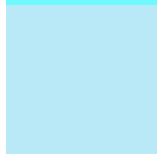
77.6042, 0.2583, 0.3131

# Trichromacy



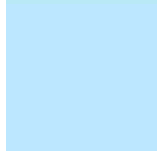
## Original Color

77.7995, 0.2403, 0.3206



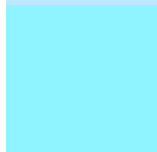
## Protanomaly

75.2459, 0.2749, 0.3145



## Deuteranomaly

75.0632, 0.2717, 0.3027



## Tritanomaly

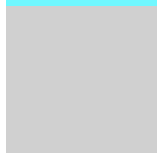
77.7610, 0.2511, 0.3163

# Monochromacy



## Original Color

77.7995, 0.2403, 0.3206



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

67.0958, 0.2784, 0.3265

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.7995, 0.2403, 0.3206 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, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 248, 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(112, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 248, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 77.7995, 0.2403, 0.3206 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, 248, 255) }
```

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

```
.border{ border-color:rgb(112, 248, 255) }
```

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

Here you see how a box with a 4 pixel rgb(112, 248, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 248,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.7995, 0.2403, 0.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 248, 255) }
```

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

```
.background{ background-color: rgb(112,  
248, 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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