

# Converting Colors

$Yxy(75.9158, 0.2366, 0.3181)$

Have a look what the booklet for  
Yxy(75.9158, 0.2366, 0.3181)  
contains.

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# Color

**Yxy(75.9563, 0.2366, 0.3182)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66F6FF
RGB	102, 246, 255
RGB Percent	40%, 96%, 100%
CMY	0.6002, 0.0353, 0.0001
CMYK	0.60, 0.04, 0.00, 0.00
HSL	184°, 100%, 70%
HSV	184°, 60%, 100%
XYZ	56.4779, 75.9563, 106.2720
YIQ	203.9700, -88.7130, -27.7290

# Conversions

## Conversions Part 2

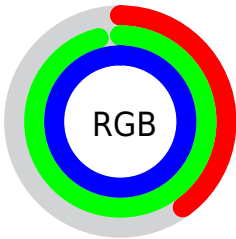
<b>Format</b>	<b>Color</b>
<b>RYB</b>	102, 176, 255
Decimal	6747903
CIELab	89.84, -35.85, -15.91
CIElCh	90, 39.218, 203.929
Yxy	75.9563, 0.2366, 0.3182
Android (android.graphics.Color)	4284937983 (0xFF66F6FF)
YUV	203.9700, 25.1578, -89.4277
Hunter-Lab	87.1529, -36.8439, -11.2896

# Details

The Yxy color **75.9563, 0.2366, 0.3182** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **33.5664, 0.4965, 0.3380**, and the grayscale version is **60.2374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **40.4724, 0.2208, 0.3147** is the 20% darker color. If you saturate the color by 10%, you get **73.7869, 0.2296, 0.3162**, and if you desaturate by 10%, it is **78.5966, 0.2456, 0.3202**.

# Distribution



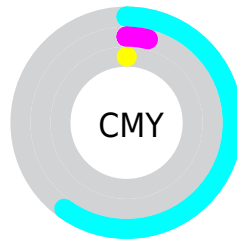
- Red (40%)
- Green (96%)
- Blue (100%)



- Red (40%)
- Yellow (69%)
- Blue (100%)



- Cyan (60%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (60%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.9563, 0.2366, 0.3182 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 75.9563, 0.2366, 0.3182 by changing the saturation by 10% instead.




 75.9563, 0.2366,  
0.3182


 75.9563, 0.2366,  
0.3182

481.1981, 0.2705,  
0.3242

 56.3967, 0.2292,  
0.3166


 127.6651, 0.2481,  
0.3205

 40.5211, 0.2202,  
0.3146


 160.5831, 0.2527,  
0.3213

 27.9450, 0.2092,  
0.3118


 198.7227, 0.2566,  
0.3220

 18.2842, 0.1952,  
0.3079

242.4683, 0.2601,  
0.3226

 11.1542, 0.1771,  
0.3022

292.2042, 0.2631,  
0.3231

 6.1707, 0.1529,  
0.2934

348.3149, 0.2659,

 2.9491, 0.1197,

0.3235

0.2781

411.1847, 0.2683,  
0.3239

■ 1.1052, 0.0375,  
0.2587

■ 0.0000, 0.0000,  
0.0000

■ 75.9563, 0.2366,  
0.3182

■ 75.9563, 0.2366,  
0.3182

■ 73.7869, 0.2296,  
0.3162

■ 78.5966, 0.2456,  
0.3202

■ 72.0363, 0.2245,  
0.3142

■ 81.7372, 0.2564,  
0.3221

■ 70.6553, 0.2212,  
0.3122

■ 85.4152, 0.2688,  
0.3240

■ 69.5604, 0.2195,  
0.3103

■ 89.6616, 0.2825,  
0.3258

■ 94.5051, 0.2972,  
0.3275

99.9724, 0.3127,  
0.3290

99.9986, 0.3127,  
0.3290

# Harmonies

## Analogous

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



75.9563, 0.2650, 0.3645



75.9563, 0.2366, 0.3182



75.9563, 0.2276, 0.2798

# Triad

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



75.9563, 0.2366, 0.3182



75.9563, 0.3126, 0.2689



75.9563, 0.3897, 0.3991

# Complementary

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



75.9563, 0.2366, 0.3182



33.5664, 0.4965, 0.3380

# 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.



75.9563, 0.4058, 0.3681



75.9563, 0.2366, 0.3182



75.9563, 0.3596, 0.2958

# Square

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



75.9563, 0.2366, 0.3182



75.9563, 0.2688, 0.2552



75.9563, 0.3948, 0.3310



75.9563, 0.3532, 0.4133

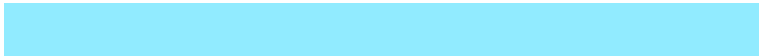


# Rectangle

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



75.9563, 0.2366, 0.3182



75.9563, 0.2329, 0.2634



75.9563, 0.3948, 0.3310



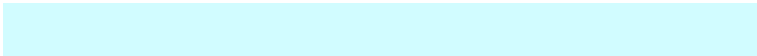
75.9563, 0.3978, 0.3900

# Sweetspot

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



75.9592, 0.2366, 0.3182



90.6058, 0.2854, 0.3261



75.4454, 0.3008, 0.5155



19.1084, 0.2812, 0.3257



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.



75.9592, 0.2366, 0.3182



73.4216, 0.2284, 0.3158



39.0973, 0.2146, 0.2205



20.2883, 0.2980, 0.3275



36.4326, 0.2196, 0.3106



3.6006, 0.2202, 0.3128



# Inverse Universe

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



37.4046, 0.3276, 0.1957



32.3639, 0.3306, 0.1787



57.3820, 0.4404, 0.4128



18.2809, 0.3147, 0.3069



14.4059, 0.3362, 0.1626

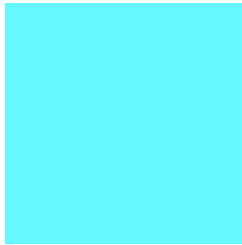


1.4080, 0.3343, 0.1615



# Previews

## White Background



This preview shows how the Yxy color 75.9563, 0.2366, 0.3182 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

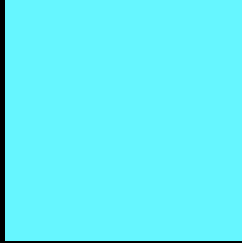
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.9563, 0.2366, 0.3182 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

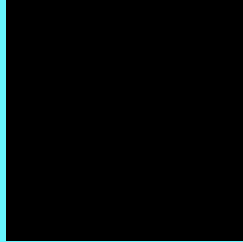
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.9563, 0.2366, 0.3182**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.9563, 0.2366, 0.3182.

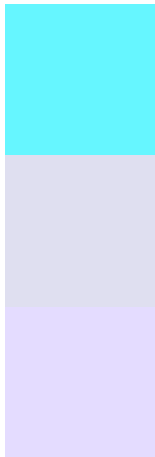


This preview shows how white text looks on a background with the Yxy color 75.9563, 0.2366, 0.3182.

# 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

75.9563, 0.2366, 0.3182

### Protanopia

74.7546, 0.3018, 0.3110

### Deuteranopia

74.9004, 0.2959, 0.2930



## Tritanopia

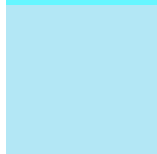
75.7432, 0.2520, 0.3117

# Trichromacy



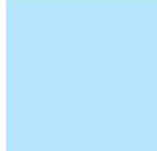
## Original Color

75.9563, 0.2366, 0.3182



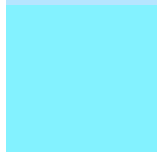
## Protanomaly

73.3281, 0.2718, 0.3132



## Deuteranomaly

73.2037, 0.2680, 0.3002



## Tritanomaly

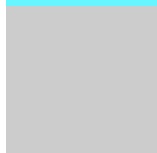
75.5496, 0.2457, 0.3138

# Monochromacy



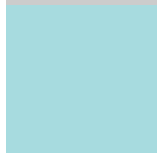
## Original Color

75.9563, 0.2366, 0.3182



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

64.2062, 0.2755, 0.3241

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.9563, 0.2366, 0.3182 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(102, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 246, 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(102, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 246, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 75.9563, 0.2366, 0.3182 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(102, 246, 255) }
```

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

```
.border{ border-color:rgb(102, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 246, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 246, 255); box-shadow:4px 4px 4px 4px rgb(102, 246, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.9563, 0.2366, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 246, 255) }
```

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

```
.background{ background-color: rgb(102,  
246, 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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